

From infomet at embarqmail.com Mon Sep 3 21:20:45 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Mon, 3 Sep 2012 21:20:45 -0400 (EDT)
Subject: [BoatAnchors] Gates BC1-T Xmtr
Message-ID:
<743994195.1191989.1346721645910.JavaMail.root@md17.embarq.synacor.com>

I have a recently operated BC1 here.

Circuit boards a little rough, but I can verify that it ran within the last two years.

It has a new Peter Dahl pwr xfmr that may be worth more than all the rest.? 6300VCT and about 80 lb.

Four good 833-As too, and a pair of solid state 872s.

Currently on 1550, so would likely slide right to 160m!

Two beautiful tunable coils.

There are no secrets here. This was a real backup xmtr until about a year ago, when a solid state rig was brought in.

The dummy load is out, but I may be able to get it back.

If nobody will pay a decent price for this baby, it'll be parted out, never to be seen again, so now's your chance to save it!

It's on my truck and I'd be willing to do some driving for a decent deal.

I don't want it in my garage too long, so if you are interested, let me know.

Tell me what it's worth to you and I'll let you know if it's enough.

Wilson

W4BOH

Hillsborough, NC

From arc5 at ix.netcom.com Tue Sep 4 09:07:02 2012
From: arc5 at ix.netcom.com (David Stinson)

Date: Tue, 4 Sep 2012 08:07:02 -0500
Subject: [BoatAnchors] [Milsurplus] BC-348 Reduced B+ Report
In-Reply-To: <127D360416F14D03AEB56ED3BF44DFCA@De11560>
References: <E781625DDF4D43E7A8FEFAF39F15B465@CompaqSR5710F>
<127D360416F14D03AEB56ED3BF44DFCA@De11560>
Message-ID: <97EC0A5014A24AE49B656EFCC14A4FF1@CompaqSR5710F>

One of our members asked:

> Dave do you think any of those "boosting and bucking" regulators can
> be modified to
> output 90 or 100 volts?

No need to modify. Here ya go:
<http://www.ebay.com/itm/170876068976>

I'm using one of these for B+ and one of the small
"buck" regulators to power a battery set from a single
12-VDC gel cell. Works great. No RFI problems,
at least so far.

NOTE: There is one down-side. These are non-isolated-output.
Your -12 volts in is your -90 volts out. So you can't use them
if you require floating-B-minus, like in a BC-474.
There are a few isolated-output DC-DC parts, but they are
more expensive and fewer available. The makers tell me
more and less expensive isolated-output modules are coming.

73 DE Dave AB5S

From arc5 at ix.netcom.com Tue Sep 4 08:40:08 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 4 Sep 2012 07:40:08 -0500
Subject: [BoatAnchors] BC-348 Reduced B+ Report
Message-ID: <E781625DDF4D43E7A8FEFAF39F15B465@CompaqSR5710F>

I recently resurrected a very nice BC-348Q for a friend.
It had a "drop-in" AC supply with an external "in the cord"
AC power switch, designed so you could remove the
AC supply and "drop-in" a dynamotor for original-config.
A cap had shorted on the B+ buss and the unfused supply
cooked-off. I first got the set running well on dynamotor,
then rebuilt the AC supply, retaining the original circuits and
the ability to swap back to dyno. I did move the

audio output transformer tap to the low-Z post.

I decided to lower the B+ to help preserve the set.
About 150-170 volts seemed to be a good compromise
between performance and perservation.
The rebuilt supply uses a 24-VAC transformer to feed
the A-buss and another small transformer
to a floating-B-minus bridge rectifier,
supplying about 160 VDC B+.

RF sensitivity and AVC action did not seem to suffer,
but of course audio output dropped to
"loud 600-ohm headphone" level.
I disconnected the wire to the lower headphone jack and,
in this line, inserted a little audio amplifier I salvaged from
some cheap "computer" speakers.
The little amplifer board fits nicely under the power/IF deck.
The board needs 9 volts DC to function.
There are some very useful and very cheap DC-DC
"boosting and bucking" regulators, and even cheaper
linear regulators, available on Ebay these days.*

I ran a diode from the 24-VAC buss to one of the
DC-DC "buck" regulators and used that to power the board.
No cap needed as filtering is already on the board.
I've had no RFI troubles from one of these little regulators.

Aligned the set at the lower B+ level and away we go.
The BC-348 now has 600-ohm headphone level on
the top phone jack and load 4-ohm speaker level
on the bottom phone jack.
Modification to the radio: Moved one wire.
It sounds great. Even the usually-defunct crystal filter
works nicely on this one, slicing SSB signals well.

Go you-know-where and search
DC-DC step up (or boost)
DC-DC step down (or buck)
Check the "seller's other items" for
linear regulators.
Cheap as dirt- some for under \$2-
and lots of useful applications.

GL OM ES 73 DE Dave AB5S

From navy.radio at gmail.com Tue Sep 4 21:17:06 2012
From: navy.radio at gmail.com (Nick England)
Date: Tue, 4 Sep 2012 21:17:06 -0400
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
Message-ID: <CAB55hNcckhqPHBrVP9QaEM4Mxat=0Ta6C1g53MHVqcNTrr4wQA@mail.gmail.com>

Once again, a pretty good fest for boatanchors. This year's surprise showing= maybe a dozen nice SP-600's.

Photos at http://www.virhistory.com/ham/shelby_2012.htm

If you don't like seeing photos of hamfests, just hit DEL and don't bother to moan about it in public.

73 & Have Fun,
Nick K4NYW

From w4rl at bellsouth.net Tue Sep 4 22:59:10 2012
From: w4rl at bellsouth.net (Robert Lawson)
Date: Tue, 04 Sep 2012 21:59:10 -0500
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
In-Reply-To: <CAB55hNcckhqPHBrVP9QaEM4Mxat=0Ta6C1g53MHVqcNTrr4wQA@mail.gmail.com>
References: <CAB55hNcckhqPHBrVP9QaEM4Mxat=0Ta6C1g53MHVqcNTrr4wQA@mail.gmail.com>
Message-ID: <5046BFFE.5060205@bellsouth.net>

I tell you what, James Nickolas England, all your photos of the boatanchors that you take at the different hamfest are not only appreciated by me but I know many others out there.

Fellas, I do believe ol'Nick deserves a round of applause from us for taking time and effort (and probably missing out on a few deals in the process) in sharing the sights with.

Hear Hear,

es thanks, Nick. I always look forwards in seeing them.

73

Robert W4RL Pensacola
Gulf Coast Mullet Society Net
Trustee for W4GMC club call sign.

On 9/4/2012 8:17 PM, Nick England wrote:

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> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From thompson at mindspring.com Tue Sep 4 23:12:36 2012
From: thompson at mindspring.com (David Thompson)
Date: Tue, 4 Sep 2012 23:12:36 -0400
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
References: <CAB55hNcckhqPHBrVP9QaEM4Mxat=0Ta6C1g53MHVqcNTrr4wQA@mail.gmail.com>
Message-ID: <00ca01cd8b14\$4d1ceb00\$ca5d4d0c@yourxb2x7j77gn>

I agree with Robertg W4RL. Nick sure fills the bill for pictures. I have had health problems the past two years so have limited ability to go to hamfests.

The Stone Mountain Hamfest the first weekend in November is the largest boneyard down this way. Hope Nick is coming.

Thanks Nick. Keep up the good work.

73 Dave K4JRB

From spr at earthlink.net Wed Sep 5 01:42:37 2012
From: spr at earthlink.net (Scott Robinson)
Date: Tue, 04 Sep 2012 22:42:37 -0700
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
In-Reply-To: <5046BFFE.5060205@bellsouth.net>
References: <CAB55hNcckhqPHBrVP9QaEM4Mxat=0Ta6C1g53MHVqcNTrr4wQA@mail.gmail.com>
<5046BFFE.5060205@bellsouth.net>
Message-ID: <5046E64D.6060803@earthlink.net>

I agree! fabulous photos. Thanks, James.

/scott
no call

On 9/4/12 7:59 PM, Robert Lawson wrote:

> I tell you what, James Nickolas England, all your photos of the
> boatanchors that you take at the different hamfest are not only

> appreciated by me but I know many others out there.
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>> BoatAnchors mailing list
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>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>>
>
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> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From N3BJ at cox.net Wed Sep 5 06:56:15 2012
From: N3BJ at cox.net (Alan Fryer)
Date: Wed, 5 Sep 2012 06:56:15 -0400
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
In-Reply-To: <CAB55hNcckhqPHBrVP9QaEM4Mxat=0Ta6C1g53MHVqcNTrr4wQA@mail.gmail.com>
References: <CAB55hNcckhqPHBrVP9QaEM4Mxat=0Ta6C1g53MHVqcNTrr4wQA@mail.gmail.com>
Message-ID: <9BBD5D8F8E894288A42E0D350F806E2E@AlanHP>

Thanks, Nick, always great to see the pics. Thought I covered the grounds pretty well, but missed more than a few !

Alan, N3BJ

-----Original Message-----

From: Nick England

Sent: Tuesday, September 04, 2012 9:17 PM

To: Old Tube Radios

Subject: [BoatAnchors] Shelby/Dallas hamfest photos

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73 & Have Fun,

Nick K4NYW

BoatAnchors mailing list

BoatAnchors at theporch.com

<https://minime.theporch.com/mailman/listinfo/boatanchors>

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.2197 / Virus Database: 2437/5249 - Release Date: 09/04/12

From arc5 at ix.netcom.com Wed Sep 5 07:14:44 2012

From: arc5 at ix.netcom.com (David Stinson)

Date: Wed, 5 Sep 2012 06:14:44 -0500

Subject: [BoatAnchors] "Solid State Chokes"

Message-ID: <2B0EFBA45DF043D1872794B73EE6AEC0@CompaqSR5710F>

One of our good members recently brought another interesting "Borg Implant" board to my attention.

It's named a "solid state choke"- a tiny board with a MOSFET active device that claims the efficacy of a 50 Henry choke at up to 200 mA output, with over an amp surge.

I've seen some devices claimed as "solid state chokes" that were actually high-voltage linear regulators, but this device is different.

Wondering if anyone here has any experience with this sort of circuit or any thoughts about it.

Here's a link. Scroll down for a circuit diagram:

<http://www.ebay.de/itm/110794732851>

73 Dave AB5S

From infomet at embarqmail.com Wed Sep 5 13:07:42 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Wed, 5 Sep 2012 13:07:42 -0400 (EDT)
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
In-Reply-To: <5046BFFE.5060205@bellsouth.net>
Message-ID:
<1242041563.1250342.1346864862621.JavaMail.root@md17.embarq.synacor.com>

CLAPCLAPCLAPCLAPCLAPCLAP
Thanks, Nick!
WL

----- Original Message -----

I tell you what, James Nickolas England, all your photos of the boatanchors that you take at the different hamfest are not only appreciated by me but I know many others out there.

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> BoatAnchors mailing list
> BoatAnchors at theporch.com
> https://minime.theporch.com/mailman/listinfo/boatanchors
>

From gumbear at pacbell.net Wed Sep 5 15:52:21 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 5 Sep 2012 12:52:21 -0700
Subject: [BoatAnchors] "Solid State Chokes"
References: <2B0EFBA45DF043D1872794B73EE6AEC0@CompaqSR5710F>
Message-ID: <002801cd8b9f\$fbe78f10\$650aa8c0@KB6NAX>

First, a correction must be applied to the discussion: A dissipative pass or shunt regulator is not a "choke" in any sense of the word. It is not a reactor and therefore does not store energy. Instead energy is given up as heat in order to "smooth" ripple to DC.

The answer to your question, Dave, can be deduced from the following Wicki:

<http://en.wikipedia.org/wiki/Gyrator>

For a gyrator ripple filter implementation a capacitor is made to behave like an inductor. However the active device MOSFET is not lossless (nor is a real choke) so it's a compromise to avoid using a costly/bulky inductor. It looks like that circuit may be worth a try. Perhaps someone with the right toys could simulate it for us.

Arden Allen
KB6NAX

I love a dog. He does nothing for political reasons.
-Will Rogers

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interesting "Borg Implant" board to my attention.

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with a MOSFET active device that claims the
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BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From anchor at ec.rr.com Wed Sep 5 17:46:15 2012
From: anchor at ec.rr.com (Al Parker)
Date: Wed, 05 Sep 2012 17:46:15 -0400
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
In-Reply-To:
<1242041563.1250342.1346864862621.JavaMail.root@md17.embarq.synacor.com>
References:
<1242041563.1250342.1346864862621.JavaMail.root@md17.embarq.synacor.com>
Message-ID: <5047C827.1020405@ec.rr.com>

Hi Nick, et al,

I'll echo the previous comments. I was there, as was Wilson, but I
didn't get away from my spaces at all on Sat., so missed all the "late
coming" goodies. I know there were 4 SP-600's just in our group, not
counting my Leary that had just been deld, and had heard of several
others. But Nick said about 12, and Ron Lawrence said 15. Maybe that's
why I couldn't sell the very nice one of Craig's. I think there were
more SP-600's there than any other model of anything, some years I
haven't seen any.

Anyhow, thanks for the pix, Nick. See you at Benson.

73,

Al, W8UT

www.boatanchors.org

www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much
worth doing as simply messing about in boats"
Ratty, to Mole

On 9/5/2012 1:07 PM, Wilson Lamb wrote:

> CLAPCLAPCLAPCLAPCLAPCLAP

> Thanks, Nick!

> WL
>
> ----- Original Message -----
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> Gulf Coast Mullet Society Net
> Trustee for W4GMC club call sign.
>

From landn2 at frontier.com Wed Sep 5 19:05:23 2012
From: landn2 at frontier.com (Liles and Naomi Garcia)
Date: Wed, 5 Sep 2012 16:05:23 -0700
Subject: [BoatAnchors] Many Thanks To Nick!!
Message-ID: <OBEDKFDGHEPDGADPPEHFIEFCDPAA.landn2@frontier.com>

Good afternoon Everybody,

Just a short note to echo others' thanks to Nick for the great pictures!!
Many thanks Nick!!

Best regards from Aloha, Oregon,
Liles Garcia
landn2 at frontier.com

From arc5 at ix.netcom.com Wed Sep 5 19:18:53 2012
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 5 Sep 2012 18:18:53 -0500
Subject: [BoatAnchors] "Solid State Chokes"
In-Reply-To: <002801cd8b9f\$fbe78f10\$650aa8c0@KB6NAX>

References: <2B0EFBA45DF043D1872794B73EE6AEC0@CompaqSR5710F>
<002801cd8b9f\$fbe78f10\$650aa8c0@KB6NAX>
Message-ID: <4B843DD244784A9AA25FF97BEC6AC3E0@CompaqSR5710F>

----- Original Message -----

From: "Arden Allen" <gumbear at pacbell.net>

> <http://en.wikipedia.org/wiki/Gyrator>

Thank you, Arden.

But I'm just a dumb railroad hand
that got a "C" in college algebra.
Those boys lost me by the third sentence
and the math looks like Tolken-esk Dwarvin runes ;-)

I'll get one and plug it into a radio thing.
If it doesn't blow up or blow the thing up,
I'll plug it into some other thing until I figure it out.
Electronic smoke is good for ya.

73 Dave AB5S

From 7fpm44 at wildblue.net Wed Sep 5 19:28:25 2012
From: 7fpm44 at wildblue.net (John Tengelin)
Date: Wed, 05 Sep 2012 16:28:25 -0700
Subject: [BoatAnchors] Shelby/Dallas hamfest photos
Message-ID: <5047e031.e45b320a.77aa.21c1@mx.google.com>

Nick-

I'm an avid reader but seldom contributor of this list but have to
say this about your contribution: KEEP 'EM COMING !!!
There are still a lot of us out here who remember the "good old days" !!!

John

K7FPM

ex VP/VW sailor- early 60s

From w4rl at bellsouth.net Wed Sep 5 19:35:01 2012
From: w4rl at bellsouth.net (Robert Lawson)
Date: Wed, 05 Sep 2012 18:35:01 -0500
Subject: [BoatAnchors] "Solid State Chokes"
In-Reply-To: <4B843DD244784A9AA25FF97BEC6AC3E0@CompaqSR5710F>
References: <2B0EFBA45DF043D1872794B73EE6AEC0@CompaqSR5710F>

<002801cd8b9f\$fbe78f10\$650aa8c0@KB6NAX>
<4B843DD244784A9AA25FF97BEC6AC3E0@CompaqSR5710F>
Message-ID: <5047E1A5.4020004@bellsouth.net>

Dave, I think it's like that denenuralizer in the the pawn shop of the movie, "Men In Black".

73 Robert W4RL

On 9/5/2012 6:18 PM, David Stinson wrote:

>
> ----- Original Message ----- From: "Arden Allen" <gumbear at pacbell.net>
>
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> BoatAnchors mailing list
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From navy.radio at gmail.com Wed Sep 5 19:57:21 2012
From: navy.radio at gmail.com (Nick England)
Date: Wed, 5 Sep 2012 19:57:21 -0400
Subject: [BoatAnchors] Mystery VHF SSB rcvr
Message-ID: <CAB55hNewULb4iXpV0fiNcAesX58xpGfuzZQ4TDHZ3brFc0s1Yg@mail.gmail.com>

Seen at Shelby hamfest - Mystery VHF SSB rcvr
<http://www.navy-radio.com/puzzlers.htm#2m>

It is set up for 144.7mc SSB - but construction doesn't look like any ham thing you ever saw.
The case reminds me of a Stoddard field strength meter
Any guesses?

From w4rl at bellsouth.net Wed Sep 5 20:09:23 2012
From: w4rl at bellsouth.net (Robert Lawson)
Date: Wed, 05 Sep 2012 19:09:23 -0500
Subject: [BoatAnchors] Mystery VHF SSB rcvr
In-Reply-To: <CAB55hNewULb4iXpV0fiNcAesX58xpGfuzZQ4TDHZ3brFc0s1Yg@mail.gmail.com>
References: <CAB55hNewULb4iXpV0fiNcAesX58xpGfuzZQ4TDHZ3brFc0s1Yg@mail.gmail.com>
Message-ID: <5047E9B3.2020100@bellsouth.net>

Nick, was it commercially set up on 144.7 mhz?

I've seen somewhat similar for FAA guard channel work of course for the AM mode along with transmitters same mode, but not that combination ie SSB. Not for business/company in 152-174 (?) as that's for FM. Man, that baby is a tough one for ID at least for me.

Robert W4RL

On 9/5/2012 6:57 PM, Nick England wrote:

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> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From kd5byb at kd5byb.net Wed Sep 5 20:29:20 2012
From: kd5byb at kd5byb.net (Ben Hall)
Date: Wed, 05 Sep 2012 19:29:20 -0500
Subject: [BoatAnchors] RBB/RBC -0, -1, and -2 Manual Available for Download
Message-ID: <5047EE60.8010305@kd5byb.net>

Good evening all,

I found an original manual in the inventory of the University of Missouri for the plain RBB/RBC, the RBB-1/RBC-1, and the RBB-2/RBC-2.

The commonly available online manuals are for the later -5 and -6, and are missing some sections.

The U of M library agreed to Inter-library Loan it to me and I fed it to my scanner over the past week or so.

Right now it's real high resolution (300 DPI min) and quite large. I do plan to re-sample the pictures down to make it smaller and get all the sections together into a single file which will be a much smaller, single download.

It might be some time before I finish that effort. So, for now, if you want to grab a copy now, I've uploaded it to my webpage section by section. Some are quite large (77 MB for section 7):

<<http://www.kd5byb.net/RBx/RBB%20RBC%20-1%20-2%20Section%201.pdf>>
<<http://www.kd5byb.net/RBx/RBB%20RBC%20-1%20-2%20Section%202.pdf>>
<<http://www.kd5byb.net/RBx/RBB%20RBC%20-1%20-2%20Section%203.pdf>>
<<http://www.kd5byb.net/RBx/RBB%20RBC%20-1%20-2%20Section%204.pdf>>
<<http://www.kd5byb.net/RBx/RBB%20RBC%20-1%20-2%20Section%205.pdf>>
<<http://www.kd5byb.net/RBx/RBB%20RBC%20-1%20-2%20Section%206.pdf>>
<<http://www.kd5byb.net/RBx/RBB%20RBC%20-1%20-2%20Section%207.pdf>>

Enjoy!

thanks much and 73,
ben, kd5byb

From 4cx250b at muohio.edu Sun Sep 9 10:48:41 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Sun, 9 Sep 2012 08:48:41 -0600
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
Message-ID: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>

Check out this amazing photo radioed back from the Curiosity Mars rover:

http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mahli_on-mars_PIA15699.html

It is a self-portrait that shows part of the camera assembly. Interestingly, the cables bundles are left completely exposed to the dust and wind. Large bundles are wrapped with short lengths of some sort of fiberglass-like wrap, which are then secured with Ty-Wraps. Smaller bundles just use the Ty-Wraps. The Ty-Wrap ends are cut off, leaving an inch or so tag end. I wonder why the engineers specified ordinary white nylon Ty-Wraps (or so it appears), instead of the black UV-resistant type or, better still, stainless steel ones?

For hardware, Curiosity seems mostly to use socket head stainless screws, mostly likely Torx head. though it's a bit hard to tell from the photo. (Click on the photo to zoom in.) There are some connectors visible in the photo, and these are weatherproofed with a semi-transparent reddish tape I'm not familiar with - presumably better than the Scotch 88 I normally use. All of the exposed metal surfaces have been give a matt finish, and I'm guessing the flat black metal is probably anodized aluminum. From the color, the motorized lens cap appears to be made of titanium. It would have been fun to listen in as the designers debated all the materials. Wonder how much of it was standard NASA/mil-spec/aircraft prototcol. developed over the years? Whatever, there's food for thought for my next homebrew linear!

73,

Jim W8ZR

From w9ac at arrl.net Sun Sep 9 11:08:12 2012
From: w9ac at arrl.net (Paul Christensen)
Date: Sun, 9 Sep 2012 11:08:12 -0400
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
References: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
Message-ID: <F1B4AE534A764CD2A90FB736C5DB9453@DBT0A000>

Hard to believe so much intricate surface area can to be exposed, but I suppose visibility is important when trying validate and trouble-shoot the arm's movement. Looks like the cable bundles use good 'ole fashion lacing technique in addition to the Ty-Wraps.

I did not realize that Curiosity was designed with Morse code wheel imprints. From a NASA press release:

"Curiosity can make its own features using its wheel tracks. A close inspection of the tracks reveals a unique, repeating pattern: Morse code for JPL. This pattern, visible as straight bands across the zigzag track marks, can be used as a visual reference to help the rover drive accurately. The Morse code, imprinted on all six wheels, is: .--- (J), .--. (P), and .-.. (L). JPL is short for NASA's Jet Propulsion Laboratory in Pasadena, Calif., where the rover was built and the mission is managed."

Paul, W9AC

----- Original Message -----
From: "Jim Garland" <4cx250b at muohio.edu>

To: <boatanchors at theporch.com>

Sent: Sunday, September 09, 2012 10:48 AM

Subject: [BoatAnchors] Homebrew Techniques on Mars Rover

> Check out this amazing photo radioed back from the Curiosity Mars rover:
>
> [http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah](http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah_li_on-mars_PIA15699.html)
> [li_on-mars_PIA15699.html](http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah_li_on-mars_PIA15699.html)
>
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> guessing
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> Whatever, there's food for thought for my next homebrew linear!
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> 73,
>
> Jim W8ZR
>
> -----

> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From 4cx250b at muohio.edu Sun Sep 9 12:22:00 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Sun, 9 Sep 2012 10:22:00 -0600
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
In-Reply-To: <BAY401-EAS3659F2594F6350BE0785EE4A9AD0@phx.gbl>
References: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
<BAY401-EAS3659F2594F6350BE0785EE4A9AD0@phx.gbl>
Message-ID: <000b01cd8ea7\$3e235d00\$ba6a1700\$@muohio.edu>

Try this one: <http://tinyurl.com/95y9h4c>
73,
Jim W8ZR

> -----Original Message-----
> From: Raymond Cote [mailto:bluegrassdakine at hotmail.com]
> Sent: Sunday, September 09, 2012 10:08 AM
> To: 4CX250B
> Subject: Re: [BoatAnchors] Homebrew Techniques on Mars Rover
>
> Link does not work. It is truncated but whatever I try it comes back witty
"page not found"
>
>
>
> On Sep 9, 2012, at 9:49, "Jim Garland" <4cx250b at muohio.edu> wrote:
>
> >
> http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah
> > [li_on-mars_PIA15699.html](http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah)

From 4cx250b at muohio.edu Sun Sep 9 14:58:44 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Sun, 9 Sep 2012 12:58:44 -0600
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
In-Reply-To: <F1B4AE534A764CD2A90FB736C5DB9453@DBTOA000>
References: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
<F1B4AE534A764CD2A90FB736C5DB9453@DBTOA000>
Message-ID: <000d01cd8ebd\$23306630\$69913290\$@muohio.edu>

In looking more closely, I think all the cables were laced rather than

Ty-Wrapped. Two wraps of a heavy hemp-like lacing cord were wrapped around the bundles in most places. However, the most interesting wrap was around the large bundle of red-orange cables. There, it looks as if each cable on the outer perimeter in the bundle was individually wrapped by the lacing cord. I've never seen anything like that before. I wonder what the lacing cord was made of?

73,

Jim W8ZR

> -----Original Message-----

> From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Paul

> Christensen

> Sent: Sunday, September 09, 2012 9:08 AM

> To: boatanchors at theporch.com

> Subject: Re: [BoatAnchors] Homebrew Techniques on Mars Rover

>

> Hard to believe so much intricate surface area can to be exposed, but I
> suppose visibility is important when trying validate and trouble-shoot the
> arm's movement. Looks like the cable bundles use good 'ole fashion lacing
> technique in addition to the Ty-Wraps.

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> imprints. From a NASA press release:

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> inspection of the tracks reveals a unique, repeating pattern: Morse code
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> JPL. This pattern, visible as straight bands across the zigzag track
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> (L). JPL is short for NASA's Jet Propulsion Laboratory in Pasadena,
Calif.,

> where the rover was built and the mission is managed."

>

> Paul, W9AC

>

> ----- Original Message -----

> From: "Jim Garland" <4cx250b at muohio.edu>

> To: <boatanchors at theporch.com>

> Sent: Sunday, September 09, 2012 10:48 AM

> Subject: [BoatAnchors] Homebrew Techniques on Mars Rover

>

>

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> > Jim W8ZR
> >
> > -----
> > BoatAnchors mailing list

> > BoatAnchors at theporch.com
> > <https://minime.theporch.com/mailman/listinfo/boatanchors>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From dxguy at earthlink.net Mon Sep 10 06:03:33 2012
From: dxguy at earthlink.net (don davis)
Date: Mon, 10 Sep 2012 03:03:33 -0700
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
In-Reply-To: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
References: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
Message-ID: <003001cd8f3b\$8a0de020\$9e29a060\$@earthlink.net>

Marvelous photos, indeed. Not ty-wraps. Looks to me to be std mil spec lacing tape. The metal looks mostly to be std flat black painted or anodized aluminum. Red tape might be Capton? I just threw away several tons of design review docs - some of the Rover systems went there. I just retired, did this for 33 years. Note the "cages" made from steel cable. These are for vibration isolation, and are often found on acft or ship BA electronic equipment. Aeroflex is a big supplier of these.

Someone else noted that "individual wires seemed to be laced." Actually, that is a cabling technique called "broom-stitching" where a number of wires are laced together to make a stable, flat cable. If interested, MIL-HDBK-975 is the NASA part selection guide and de-rating doc in use when this was made. We used MIL-HDBK-1546 and 1547 for non-NASA jobs. The field that decides which parts get used is known as "PM&P" - Parts, Materials & Processes, known in other industries as Material Science. High % of PhDs. Most of my effort as a design consultant dealt with PMP - very interesting field where you learn a lot if you don't specialize.

73 de don ad6pb

-----Original Message-----

From: BoatAnchors [mailto:[boatanchors-bounces at theporch.com](mailto:boatanchors-bounces@theporch.com)] On Behalf Of Jim Garland
Sent: Sunday, September 09, 2012 7:49 AM
To: [boatanchors at theporch.com](mailto:boatanchors@theporch.com)
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover

Check out this amazing photo radioed back from the Curiosity Mars rover:

http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah

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73,

Jim W8ZR

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From bill at iaxs.net Tue Sep 11 00:15:38 2012
From: bill at iaxs.net (Bill Hawkins)
Date: Mon, 10 Sep 2012 23:15:38 -0500
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
In-Reply-To: <003001cd8f3b\$8a0de020\$9e29a060\$@earthlink.net>
References: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
<003001cd8f3b\$8a0de020\$9e29a060\$@earthlink.net>
Message-ID: <5948DA3D94DA4FBFBA17443C42AC71FC@system071>

Group,

It's no surprise that the word "homebrew" comes to mind.

Every one of those spacecraft is a one-off, or nearly so. Things are learned from building prototypes, but nothing like what has to be learned to put something into production.

Also, there's no need to appeal to the need for style across a wide selection of customers. It just has to work. This is not true for spacecraft that have to fly in air. Aerodynamic surfaces are beautiful without trying.

I worked on spacecraft in the fifties, then worked on systems that had to look good so they could be sold to management. The people who used them were too busy to worry about style.

Back to the glow of warm tubes . . .

Bill Hawkins

From gumbear at pacbell.net Tue Sep 11 01:44:57 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Mon, 10 Sep 2012 22:44:57 -0700

Subject: [BoatAnchors] Homebrew Techniques on Mars Rover

References:

<000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu><003001cd8f3b\$8a0de020\$9e29a060\$@earthlink.net>

<5948DA3D94DA4FBFBA17443C42AC71FC@system071>

Message-ID: <001901cd8fe0\$975bbb30\$650aa8c0@KB6NAX>

Bill relates:

>

Every one of those spacecraft is a one-of[], or nearly so. Things are learned from building prototypes, but nothing like what has to be learned to put something into production.

> Also, there's no need to appeal to the need for style across a wide selection of customers. It just has to work. This is not true for spacecraft that have to fly in air. Aerodynamic surfaces are beautiful without trying.

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"Job well done" is if it works, not if it sells. But there is an irony for me in this subject. I'm sure many of you have asked yourselves the question, how would this Jerry-built thing I created be received if I was to pass it on to another? The answer would be pure curiosity if it fell into the hands of a spacecraft engineer. But if it was obtained by a consumer products engineer he had better clean out his desk if management sees it in his office or on his work bench. In consumer product development the patched together prototype serves to deal only with a limited number of problems (as you referred to, Bill) and fails to address downstream issues that will doubtlessly come up. The advent of the computerized engineering environment forced style into the argument because of the aggregation of circuit implementation with physical product. The Jerry-built prototype was cut out of the process (along with many fine engineering techs). Before we shipped the rest of the manufacturing jobs overseas we killed a lot of them right here!

Arden Allen
KB6NAX

Stupidity is far more dangerous than evil,
for evil takes a break from time to time,
stupidity does not. - Anatole France

From bob at nofrowns.net Tue Sep 11 20:13:51 2012
From: bob at nofrowns.net (Bob Jackson)
Date: Tue, 11 Sep 2012 19:13:51 -0500
Subject: [BoatAnchors] Tubes for postage - Trying to "play it forward"
Message-ID: <DEFEA31FF0F64E10835527D64C69F72D@c1408123a>

Fellow BA-ers:

I've received so much help from this crowd in the past that I thought I'd try to pay back some. Below is a list of two cartons of tubes that I'll never use and hope someone else can. Otherwise, into the scrap heap as I need the room. I'm hoping that won't happen.

First replies gets one or the other or both.

73 to all,

Bob AG5X

=====

Box #1 - ~100 boxed, largely untested 6 volt tubes with a few other ? voltages ...

\$20.00 for USPS parcel post

Box #2 Nine boxed, tested good "numbered" tubes as follows ... for \$15.00 for USPS parcel post

1 each of #57,75,78,48

2 each of #43

3 each of #80

Prices quotes are for a box, peanuts and postage and is estimated as worse case. Shipping costs will be re-calc'd to the first responder.

From knjhanlon at msn.com Tue Sep 11 20:29:24 2012
From: knjhanlon at msn.com (JAMES HANLON)
Date: Tue, 11 Sep 2012 18:29:24 -0600
Subject: [BoatAnchors] BC348 question
Message-ID: <SNT106-W209F6297F355207C2F1BAFA0920@phx.gbl>

My friend, Brian White, just sent me the following note. Does anyone on the list know the answer? His email is brian.white at umb.edu .

Thanks,

Jim, W8KGI

Jim

Sorry to bother you with fool questions, but as I was aligning the BC-348, some of the trimmers were really stiff. As I finally got them to turn, I heard a little "snap". I figured this was just dust, rust, or paint until the little pieces in the picture below came rattling out? Now the trimmer screws are very wiggly on some of the trimmers. Ugh. Are they broken or just loose? Any thoughts?

Thanks

Brian

Professor Brian White
Biology Department

UMass Boston
100 Morrissey Blvd
Boston, MA 02125
(617) 287-6630
(617) 287-6650 (fax)
<http://intro.bio.umb.edu/BW/>
KB1QZA

From bob at nofrowns.net Tue Sep 11 20:58:20 2012
From: bob at nofrowns.net (Bob Jackson)
Date: Tue, 11 Sep 2012 19:58:20 -0500
Subject: [BoatAnchors] [Boatanchors] Tubes for postage - Trying to "play
it forward"
References: <DEFEA31FF0F64E10835527D64C69F72D@c1408123a>
<alpine.LFD.2.02.1209111936070.2958@Frances.localdomain>
Message-ID: <001E4C9C44894EDD912C55C3672AFD47@c1408123a>

Thanks to all that responded. First replies for each box were:

Lee Craner - WB6SSW for box #1 @ ZIP 91376

Jim Haynes - W6JVE for box #2 @ ZIP 72701

Gentlemen, I'll re-calc postage to your QRZ.com address at the ZIPs above (pls correct if wrong) and let you know tomorrow. I can accept paypal or whatever you prefer for payment.

73 to all and thanks for not letting the tubed end up in the landfill.

Bob AG5X

From WA5CAB at cs.com Wed Sep 12 00:36:52 2012
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Wed, 12 Sep 2012 00:36:52 -0400 (EDT)
Subject: [BoatAnchors] BC348 question
Message-ID: <44d27.2f1970ee.3d816b64@cs.com>

I haven't seen whatever photos he sent but if the trimmer shafts are "wiggly", they are broken.

I have replacement RF, OSC and MIXER coil boxes for some of the letter models.

In a message dated 09/11/2012 19:29:43 PM Central Daylight Time, knjhanlon at msn.com writes:

> My friend, Brian White, just sent me the following note. Does anyone on
> the list know the answer? His email is brian.white at umb.edu .
>
> Thanks,
>
> Jim, W8KGI
>
> Jim
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> screws are very wiggly on some of the trimmers. Ugh. Are they broken or just
> loose? Any thoughts?
> Thanks
>
>
> Brian
>

Robert Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

From gumbear at pacbell.net Wed Sep 12 00:39:00 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 11 Sep 2012 21:39:00 -0700
Subject: [BoatAnchors] BC348 question
References: <SNT106-W209F6297F355207C2F1BAFA0920@phx.gbl>
Message-ID: <001801cd90a1\$81ecb300\$650aa8c0@KB6NAX>

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until the little pieces in the picture below came rattling out? Now the
trimmer screws are very wiggly on some of the trimmers. Ugh. Are they broken
or just loose? Any thoughts?

Uh-huh! The force is with us. Too much force, that is. The ceramic
trimmer cap bodies are destroyed, or the adjustable ferrite cores are broken
to bits, take your choice, I don't have the picture. Now the search must go
on for equivalent temperature coefficient parts. Let's hope someone has an
organ donor '348 they want to part out. Ugh...

In the future, here's how to proceed with "stuck" trimmers: Remove and

disassemble the transformer in order to make accessible the stubborn adjustment. Appraise the situation. What will unstick things without causing damage? Heat? Cold? Paint thinner? Lubricant? Contact cleaner? Acid or base? Try anything that won't have untended consequences. An example of a UC is a solvent melting or cracking plastic. FORCE is NEVER the right approach.

Arden Allen
KB6NAX

Properly trained a man can be
dog's best friend. -Corey Ford

From w7qho at aol.com Wed Sep 12 01:18:31 2012
From: w7qho at aol.com (mac)
Date: Tue, 11 Sep 2012 22:18:31 -0700
Subject: [BoatAnchors] BC348 question
In-Reply-To: <SNT106-W209F6297F355207C2F1BAFA0920@phx.gbl>
References: <SNT106-W209F6297F355207C2F1BAFA0920@phx.gbl>
Message-ID: <1B7AF9E2-D0C1-427A-BBE1-793985F437F8@aol.com>

Jim/Brian,

Bad trimmers are a known BC-348 problem. Typically the hex shaped, pressed-on retaining collar on the rotor shafts crack allowing the shaft to shift position and the rotor and stator plates to short together. Had to replace almost all of the trimmers in one of my BC-348s (double ended tube version but don't remember the letter). Didn't run into the problem, though, in half a dozen other -348s with which I've had experience.

Don't know whether particular models were particularly prone to this or not. Maybe only a problem with certain production lots of trimmers but haven't heard of this failure turning up in other radios, BC-312/342 for example.

Defective units have to be replaced, of course but it's worth the trouble to do so if the radio is in otherwise good condition.

Dennis D. W7QHO
Glendale, CA

On Sep 11, 2012, at 5:29 PM, JAMES HANLON wrote:

>
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> anyone on the list know the answer? His email is
> brian.white at umb.edu .
>
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> Brian
>
>
>
>
>
>
>
>
> -----
> Professor Brian White
> Biology Department
> UMass Boston
> 100 Morrissey Blvd
> Boston, MA 02125
> (617) 287-6630
> (617) 287-6650 (fax)
> <http://intro.bio.umb.edu/BW/>
> KB1QZA
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From esieb at sympatico.ca Wed Sep 12 11:15:28 2012
From: esieb at sympatico.ca (Ed Sieb)

Date: Wed, 12 Sep 2012 11:15:28 -0400
Subject: [BoatAnchors] Equipment query?
Message-ID: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>

The attached link shows W7DET's Seattle amateur station, circa 1957.

I can identify the 75A4, and the NC-173, but what is the other gear? (Even the RTTY gear is odd to me.)

Almost looks like expertly built home brew? Any ideas?

[http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20\(2\).jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20(2).jpg)

From W0EOM at aol.com Wed Sep 12 12:02:23 2012
From: W0EOM at aol.com (W0EOM at aol.com)
Date: Wed, 12 Sep 2012 12:02:23 -0400 (EDT)
Subject: [BoatAnchors] Equipment query?
Message-ID: <3fbaf.287d7018.3d820c0f@aol.com>

It looks like very well built home gear to me.

Will

In a message dated 9/12/2012 8:31:51 A.M. Pacific Daylight Time, esieb at sympatico.ca writes:

[http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20\(2\).jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20(2).jpg)

From k4oah at mindspring.com Wed Sep 12 11:35:07 2012
From: k4oah at mindspring.com (Garey Barrell)
Date: Wed, 12 Sep 2012 11:35:07 -0400
Subject: [BoatAnchors] Equipment query?
In-Reply-To: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>

References: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>
Message-ID: <5050ABAB.6030203@mindspring.com>

Ed -

I believe the TTY is a Model 26. Any TTY electronics would be homebrew, probably a 'W2PAT' converter. The transmitter to the left looks like a 32V-1.

73, Garey - K40AH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Ed Sieb wrote:

The attached photo (and link) shows W7DET's Seattle amateur station, circa 1957. I can identify the 75A4, and the NC-173, but what is the other gear? (Even the RTTY gear is odd to me.)

Almost looks like expertly built home brew? Any ideas?

From ddillman at igc.org Wed Sep 12 11:42:50 2012
From: ddillman at igc.org (Richard Dillman)
Date: Wed, 12 Sep 2012 08:42:50 -0700 (GMT-07:00)
Subject: [BoatAnchors] Extended Hours for KSM and K6KPH
Message-ID: <12499773.1347464571299.JavaMail.root@elwamui-muscovy.atl.sa.earthlink.net>

EXTENDED HOURS FOR KSM AND K6KPH

Maritime Radio Historical Society stations KSM and K6KPH will extend their operating hours beginning this evening, Wednesday 12 September from 1930 to 2300 Pacific Daylight Time (13 September 0230 to 0600gmt) as a test to see if these extended hours will make the stations available to ships, land stations and listeners who have not been able to copy them at other times. If this evening's operations are successful they will be continued on a weekly basis.

Two operators will be on duty.

KSM will be active on its CW frequencies (in kc):

426
500
4350.5
6474.0
8438.3
12993.0
16914.0
22445.8

500kc and ITU Channel 3 HF will be monitored for calls from ships.

K6KPH will be available on (in kc):

3550
7050
14050
21050

Reception reports may be sent to info at [radiomarine.org](mailto:info@radiomarine.org)

If a verification is required please mail your report to:

MRHS
PO Box 392
Point Reyes Station, CA 94956
USA

The MRHS has an exciting new electronic Newsletter that covers all our activities and is available free.

Back issues are available for review here:

<http://tinyurl.com/9kv9u3j>

Subscribe to the Newsletter here:

<http://tinyurl.com/8d5qxu7>

VY 73,

RD

=====
Richard Dillman, WPE2VT
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>

=====

From w7fe at cox.net Wed Sep 12 12:36:15 2012
From: w7fe at cox.net (w7fe)
Date: Wed, 12 Sep 2012 09:36:15 -0700
Subject: [BoatAnchors] Equipment query?
References: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>
Message-ID: <33FE9DF375D5438C939A6A6B35F4925B@DESKTOP>

Nice picture! Thanks for showing it to us.

I believe that the unit on the desktop left is a Collins 32V-x with a well laid out homebrew switching panel below it. The item on the desktop right is likely a homebrew (KW?) amplifier with perhaps a modulator monitoring meter panel above it. His RTTY T/U is on the upper left, maybe, or maybe the CRT is part of a repackaged Hallicrafters panadapter? Panel above the Collins receiver might house a rotator (prop pitch motor?) controller and its selsyn indicator.

Stu, W7FE

----- Original Message -----

From: "Ed Sieb" <esieb at sympatico.ca>
To: <boatanchors at theporch.com>
Sent: Wednesday, September 12, 2012 8:15 AM
Subject: [BoatAnchors] Equipment query?

> The attached link shows W7DET's Seattle amateur station, circa 1957.

>

> I can identify the 75A4, and the NC-173, but what is the other gear?

> (Even the

> RTTY gear is odd to me.)

>

> Almost looks like expertly built home brew? Any ideas?

>

>

>

> <http://memberfiles.freewebs.com/09/84/73468409/photos/>

W7DET_Amateur_radio equipmen

> t,_1957%20(2).jpg

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> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From jlkolb at jlkolb.cts.com Wed Sep 12 14:20:23 2012
From: jlkolb at jlkolb.cts.com (John Kolb)
Date: Wed, 12 Sep 2012 11:20:23 -0700 (PDT)
Subject: [BoatAnchors] =?utf-8?q?Equipment_query=3F?=
Message-ID: <20120912182024.51B256DEA@atlas.concentric.com>

The receiver is a NC-57, not a NC-173. Middle row far left is a BC-221 or LM hetrodyne frequency meter. Telephone dial above the 75A4 possibly an autopatch. Clock on top row is 24 hour.

John KK6IL

At 08:15 AM 9/12/2012, you wrote:
The attached link shows W7DET's Seattle amateur station, circa 1957.

I can identify the 75A4, and the NC-173, but what is the other gear? (Even the RTTY gear is odd to me.)

Almost looks like expertly built home brew? Any ideas?

<[http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20\(2\).jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20(2).jpg)>

From k0myw at sbcglobal.net Wed Sep 12 15:15:12 2012
From: k0myw at sbcglobal.net (Michael OBrien)
Date: Wed, 12 Sep 2012 12:15:12 -0700 (PDT)
Subject: [BoatAnchors] Equipment query?
In-Reply-To: <20120912182024.51B256DEA@atlas.concentric.com>
Message-ID: <1347477312.67604.YahooMailClassic@web184706.mail.ne1.yahoo.com>

While the transmitter in the lefthand bay does bear resemblance to the Collins 32V-* series, as others have suggested, it appears to have several more control knobs than the Collins transmitters sported (above the lower panel of switches). Whatever it is, it looks to be the work of a first-class craftsman, as does the other gear.

Mike, K0MYW

>
> At 08:15 AM 9/12/2012, you wrote:
> The attached? link? shows? W7DET's?
> Seattle? amateur station, circa
> 1957.???
>
> I can identify the 75A4,? and the NC-173, but what is
> the other gear?? (Even the
> RTTY? gear is odd to me.)?
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> brew????Any ideas?
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> <[http://memberfiles.freewebs.com/09/84/73468409/photos/
W7DET_Amateur_radio_equipment,_1957%20\(2\).jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20(2).jpg)>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From w7fe at cox.net Wed Sep 12 15:18:02 2012
From: w7fe at cox.net (w7fe)
Date: Wed, 12 Sep 2012 12:18:02 -0700
Subject: [BoatAnchors] Equipment query?
References: <20120912182024.51B256DEA@atlas.concentric.com>
Message-ID: <A5DF3E21E8C74DF2BDC45E00F76F36FA@DESKTOP>

And the Collins receiver is actually a 75A-2, I beleive. Also notice the bug and straight key in the neat little compartment at the left end of the panel just below the amplifer. W7DET was apparently right-handed.

This fellow was a fine metal and wood craftsman as well as an accomplished equipment designer. Note the precise symmetry of his panel layouts and how the cabinets are built to fit the exact desktop width.

Stu, W7FE

----- Original Message -----

From: "John Kolb" <jlkolb at jlkolb.cts.com>
To: "Ed Sieb" <esieb at sympatico.ca>; <boatanchors at theporch.com>
Sent: Wednesday, September 12, 2012 11:20 AM
Subject: Re: [BoatAnchors] Equipment query?

>

> The receiver is a NC-57, not a NC-173. Middle row far left is a BC-221 or
> LM heterodyne frequency meter. Telephone dial above the 75A4 possibly an
> autopatch. Clock on top row is 24 hour.
>
> John KK6IL
>
> At 08:15 AM 9/12/2012, you wrote:
> The attached link shows W7DET's Seattle amateur station, circa 1957.
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> I can identify the 75A4, and the NC-173, but what is the other gear?
> (Even the
> RTTY gear is odd to me.)
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> Almost looks like expertly built home brew? Any ideas?
>
> <[http://memberfiles.freewebs.com/09/84/73468409/photos/
W7DET_Amateur_radio_equipment,_1957%20\(2\).jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment,_1957%20(2).jpg)>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From n7rk at cox.net Wed Sep 12 15:25:47 2012
From: n7rk at cox.net (David Hollander)
Date: Wed, 12 Sep 2012 12:25:47 -0700
Subject: [BoatAnchors] Equipment query?
In-Reply-To: <A5DF3E21E8C74DF2BDC45E00F76F36FA@DESKTOP>
References: <20120912182024.51B256DEA@atlas.concentric.com>
<A5DF3E21E8C74DF2BDC45E00F76F36FA@DESKTOP>
Message-ID: <5050E1BB.1000302@cox.net>

The transmitter on the left looks like it might be an Eldico.

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From 4cx250b at muohio.edu Wed Sep 12 16:01:07 2012

From: 4cx250b at muohio.edu (Jim Garland)
Date: Wed, 12 Sep 2012 14:01:07 -0600
Subject: [BoatAnchors] Equipment query?
In-Reply-To: <1347477312.67604.YahooMailClassic@web184706.mail.ne1.yahoo.com>
References: <20120912182024.51B256DEA@atlas.concentric.com>
<1347477312.67604.YahooMailClassic@web184706.mail.ne1.yahoo.com>
Message-ID: <000001cd9121\$596d3550\$0c479ff0\$@muohio.edu>

I believe the Collins-like transmitter may have been the work of Harold Bourell W6NZ (SK). Harold was one of the top homebrewers of the 1950s and 60s, and built several transmitters patterned after Collins styling of the era. I know one of his SSB transmitters was published in QST, but don't know the year. I was fortunate enough to have one of his AM transmitters, which he called the "32V-7" because it was several generations ahead of the 32V-3. It used a 4D32 in the final, modulated by a pair of 1625s, a Collins PT0, and was built in a SX-42 receiver cabinet, with a gray wrinkle rack panel. The panel lettering was engraved. It was a beauty, alas, long gone, but a blurry photo is on my website. I believe Harold, a former FCC field officer in the Kansas City office, passed away in the late 1990s

73,
Jim W8ZR

> -----Original Message-----
> From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Michael
> OBrien
> Sent: Wednesday, September 12, 2012 1:15 PM
> To: boatanchors at theporch.com
> Subject: Re: [BoatAnchors] Equipment query?
>
> While the transmitter in the lefthand bay does bear resemblance to the Collins 32V-* series,
> as others have suggested, it appears to have several more control knobs than the Collins
> transmitters sported (above the lower panel of switches). Whatever it is, it looks to be the
> work of a first-class craftsman, as does the other gear.
>
> Mike, KOMYW
>
> >
> > At 08:15 AM 9/12/2012, you wrote:
> > The attached? link? shows? W7DET's
> > Seattle? amateur station, circa
> > 1957.
> >
> > I can identify the 75A4,? and the NC-173, but what is

> > the other gear?? (Even the
> > RTTY? gear is odd to me.)
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> > Almost looks? like expertly built home
> > brew????Any ideas?
> >
> >
>
<[http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_e
quipm
> ent,_1957%20\(2\).jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipment_1957%20(2).jpg)>
> > -----
> > BoatAnchors mailing list
> > BoatAnchors at theporch.com
> > <https://minime.theporch.com/mailman/listinfo/boatanchors>
> >
> > -----
> > BoatAnchors mailing list
> > BoatAnchors at theporch.com
> > <https://minime.theporch.com/mailman/listinfo/boatanchors>

From esieb at sympatico.ca Wed Sep 12 17:09:32 2012
From: esieb at sympatico.ca (Ed Sieb)
Date: Wed, 12 Sep 2012 17:09:32 -0400
Subject: [BoatAnchors] Equipment query?
In-Reply-To: <000001cd9121\$596d3550\$0c479ff0\$@muohio.edu>
References: <20120912182024.51B256DEA@atlas.concentric.com>
<1347477312.67604.YahooMailClassic@web184706.mail.ne1.yahoo.com>
<000001cd9121\$596d3550\$0c479ff0\$@muohio.edu>
Message-ID: <BLU0-SMTP76B27E2CDB694516F62DE9C9920@phx.gbl>

Thanks to all who responded. I now have the answers to my query. This picture
graces the home page of my radio club's website, www.ve3orf.ca, and I wanted
to have a description of the station for the caption.

73 to all,
Ed, VA3ES

From gsantacana at gmail.com Wed Sep 12 18:15:14 2012
From: gsantacana at gmail.com (Guido Santacana)
Date: Wed, 12 Sep 2012 18:15:14 -0400
Subject: [BoatAnchors] Equipment query?

In-Reply-To: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>
References: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>
Message-ID: <CA01yix1p-Rm4V7L4bp6MWe9edQ6a3JWOCYNw+-=k7Xfm36xU_g@mail.gmail.com>

It looks like a lot of home made gear and the National looks like an NC57.

73s

Guido Santacana KP4FAR

On Wed, Sep 12, 2012 at 11:15 AM, Ed Sieb <esieb at sympatico.ca> wrote:

> The attached link shows W7DET's Seattle amateur station, circa 1957.
>
> I can identify the 75A4, and the NC-173, but what is the other gear?
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> RTTY gear is odd to me.)
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> [http://memberfiles.freewebs.com/09/84/73468409/photos/
W7DET_Amateur_radio equipmen](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio equipmen t,_1957%20(2).jpg)
> [t,_1957%20\(2\).jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio equipmen%0At,_1957%20%282%29.jpg)<[http://memberfiles.freewebs.com/09/84/73468409/photos/
W7DET_Amateur_radio equipmen%0At,_1957%20%282%29.jpg](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio equipmen%0At,_1957%20%282%29.jpg)>
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> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From rparker at dccnet.com Wed Sep 12 18:25:55 2012
From: rparker at dccnet.com (Ralph Parker)
Date: Wed, 12 Sep 2012 15:25:55 -0700
Subject: [BoatAnchors] Equipment query?
In-Reply-To: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>
Message-ID: <3.0.6.32.20120912152555.00b6a088@pop3.dccnet.com>

>The attached link shows W7DET's Seattle amateur station, circa 1957...

I haven't been following the thread - perhaps someone else has already IDd it.
When I finally looked at the pix, I knew I'd seen it before -
Editors and Engineers Radio Handbook (W6SAI), Fifteenth Edition, page 567.
There is, however, no description of the equipment.

Ralph, VE7XF

From johnmb at nc.rr.com Sun Sep 9 11:38:06 2012
From: johnmb at nc.rr.com (john)
Date: Sun, 09 Sep 2012 11:38:06 -0400
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
In-Reply-To: <F1B4AE534A764CD2A90FB736C5DB9453@DBTOA000>
References: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
<F1B4AE534A764CD2A90FB736C5DB9453@DBTOA000>
Message-ID: <6.2.1.2.2.20120909113355.052b43d0@pop-server.nc.rr.com>

Didn't Ben Hall KD5BYB work on the Rover?

You out there Ben?

John K5MO

At 11:08 AM 9/9/2012, Paul Christensen wrote:

>Hard to believe so much intricate surface area can to be exposed, but I
>suppose visibility is important when trying validate and trouble-shoot the
>arm's movement. Looks like the cable bundles use good 'ole fashion lacing
>technique in addition to the Ty-Wraps.

>

>I did not realize that Curiosity was designed with Morse code wheel
>imprints. From a NASA press release:

>

>"Curiosity can make its own features using its wheel tracks. A close
>inspection of the tracks reveals a unique, repeating pattern: Morse code
>for JPL. This pattern, visible as straight bands across the zigzag track
>marks, can be used as a visual reference to help the rover drive
>accurately. The Morse code, imprinted on all six wheels, is: .--- (J),
>.--. (P), and -.. (L). JPL is short for NASA's Jet Propulsion Laboratory
>in Pasadena, Calif., where the rover was built and the mission is managed."

>

>Paul, W9AC

>

>----- Original Message ----- From: "Jim Garland" <4cx250b at muohio.edu>

>To: <boatanchors at theporch.com>
>Sent: Sunday, September 09, 2012 10:48 AM
>Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
>
>
>>Check out this amazing photo radioed back from the Curiosity Mars rover:
>>
>>[http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah](http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah_li_on-mars_PIA15699.html)
>>[li_on-mars_PIA15699.html](http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah_li_on-mars_PIA15699.html)
>>
>>
>>It is a self-portrait that shows part of the camera assembly.
>>Interestingly, the cables bundles are left completely exposed to the dust
>>and wind. Large bundles are wrapped with short lengths of some sort of
>>fiberglass-like wrap, which are then secured with Ty-Wraps. Smaller bundles
>>just use the Ty-Wraps. The Ty-Wrap ends are cut off, leaving an inch or so
>>tag end. I wonder why the engineers specified ordinary white nylon Ty-Wraps
>>(or so it appears), instead of the black UV-resistant type or, better still,
>>stainless steel ones?
>>
>>
>>
>>For hardware, Curiosity seems mostly to use socket head stainless screws,
>>mostly likely Torx head. though it's a bit hard to tell from the photo.
>>(Click on the photo to zoom in.) There are some connectors visible in the
>>photo, and these are weatherproofed with a semi-transparent reddish tape I'm
>>not familiar with - presumably better than the Scotch 88 I normally use. All
>>of the exposed metal surfaces have been give a matt finish, and I'm guessing
>>the flat black metal is probably anodized aluminum. From the color, the
>>motorized lens cap appears to be made of titanium. It would have been fun to
>>listen in as the designers debated all the materials. Wonder how much of it
>>was standard NASA/mil-spec/aircraft protocol. developed over the years?
>>Whatever, there's food for thought for my next homebrew linear!
>>
>>73,
>>
>>Jim W8ZR
>>
>>-----
>>BoatAnchors mailing list
>>BoatAnchors at theporch.com
>><https://minime.theporch.com/mailman/listinfo/boatanchors>
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>-----
>BoatAnchors mailing list
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><https://minime.theporch.com/mailman/listinfo/boatanchors>

From johnmb at nc.rr.com Sun Sep 9 11:39:30 2012
From: johnmb at nc.rr.com (john)
Date: Sun, 09 Sep 2012 11:39:30 -0400
Subject: [BoatAnchors] Homebrew Techniques on Mars Rover
In-Reply-To: <F1B4AE534A764CD2A90FB736C5DB9453@DBTOA0000>
References: <000501cd8e9a\$34991d90\$9dcb58b0\$@muohio.edu>
<F1B4AE534A764CD2A90FB736C5DB9453@DBTOA0000>
Message-ID: <6.2.1.2.2.20120909113857.03d61eb0@pop-server.nc.rr.com>

Hope none of the aliens have no-code tickets!

John K5MO

At 11:08 AM 9/9/2012, Paul Christensen wrote:

>Hard to believe so much intricate surface area can to be exposed, but I
>suppose visibility is important when trying validate and trouble-shoot the
>arm's movement. Looks like the cable bundles use good 'ole fashion lacing
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>marks, can be used as a visual reference to help the rover drive
>accurately. The Morse code, imprinted on all six wheels, is: .--- (J),
>---. (P), and .-. (L). JPL is short for NASA's Jet Propulsion Laboratory
>in Pasadena, Calif., where the rover was built and the mission is managed."

>

>Paul, W9AC

>

>----- Original Message ----- From: "Jim Garland" <4cx250b at muohio.edu>

>To: <boatanchors at theporch.com>

>Sent: Sunday, September 09, 2012 10:48 AM

>Subject: [BoatAnchors] Homebrew Techniques on Mars Rover

>

>

>>Check out this amazing photo radioed back from the Curiosity Mars rover:

>>

>>http://www.planetary.org/multimedia/space-images/spacecraft/20120906_msl_mah

>>li_on-mars_PIA15699.html

>>

>>
>>
>>It is a self-portrait that shows part of the camera assembly.
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>>just use the Ty-Wraps. The Ty-Wrap ends are cut off, leaving an inch or so
>>tag end. I wonder why the engineers specified ordinary white nylon Ty-Wraps
>>(or so it appears), instead of the black UV-resistant type or, better still,
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>>
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>>motorized lens cap appears to be made of titanium. It would have been fun to
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>>73,
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>>BoatAnchors mailing list
>>BoatAnchors at theporch.com
>><https://minime.theporch.com/mailman/listinfo/boatanchors>
>
>-----
>BoatAnchors mailing list
>BoatAnchors at theporch.com
><https://minime.theporch.com/mailman/listinfo/boatanchors>

From thompson at mindspring.com Thu Sep 13 00:34:41 2012
From: thompson at mindspring.com (David Thompson)
Date: Thu, 13 Sep 2012 00:34:41 -0400
Subject: [BoatAnchors] Equipment query?
References: <3.0.6.32.20120912152555.00b6a088@pop3.dccnet.com>
Message-ID: <019c01cd9169\$4746d370\$c05d4d0c@yourxb2x7j77gn>

Ralph is right. I knew I had seen the picture before. Bill Orr used several pictures of stations in the 15th Edition of the Editors and Engineers Hambook better known as the W6SAI Handbook. Beside the W7DET picture on page 567 look at the picture on page 663. This shows the active Mult op contest station of W6YMD. That is W6YMD in the front and W6BXL behind him. The exciters and receivers are on the operating table and the nlg KW amps, modulators, and power supplies behind W6YMD. He had separate KW amps for 80 to 10. Further over on page 720 we find W6YMD in his shop. That is K6EWL behind him standing up.

The publish date of the edition was 1959 but W5KHB got our copy early in June 1958. We culled ideas for a 4-400A amplifier that could run AB, or Class C, a bigger than shown modulator using 811A's, and on page 657 we built the 15 watt clipper-audio amp to drive the 811A's. My dad's hand written notes on page 653 were the basis of modifying the 500 watt PP 810's modulator for a 400 watt PP 811A's. We cheated and used an Eldico 2500 power supply (store bought). Unfortunately the transformer in the Eldico power supply blew out in 1962 and we found a pole pig that was originally 13,800V CT in an oven at a Louisiana Power Company. They gave us the transformer. W5KHB determined that it would be safe at 6KV CT. The top of the pole pig almost touched the modulator chassis.

Back then its true that many tried to build their own gear. We were too green to attempt a receiver or a real exciter so we used the Hammarlund and W5DYJ took our DX-35, VF-1 and WRL Modulator and gave us a nice 6146 80 to 10 90 watts transmitter with a big control that allowed the exciter to put out between 2 and 90 watts. W5DYJ's built in VFO was very stable even for CW and SSB.

Wish I knew more about W7DET but you can bet he was a master builder to be in the W6SAI handbook.

My only question is where is most of this homebrew gear today. I gave away the exciter, amp, and modulator when I moved to Atlanta in May of 1973. I see a few much older amps and a few receivers built from the famous eceivers in the late 1950's. I look at local hamfests and at Dayton in the MID 1990's but this older gear (1950 to early 1960's) has disappeared.

73 Dave K4JRB

> >The attached link shows W7DET's Seattle amateur station, circa 1957...
>
> I haven't been following the thread - perhaps someone else has already IDd
> it.
> When I finally looked at the pix, I knew I'd seen it before -
> Editors and Engineers Radio Handbook (W6SAI), Fifteenth Edition, page 567.
> There is, however, no description of the equipment.

>
> Ralph, VE7XF
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From johnmb at nc.rr.com Thu Sep 13 08:18:51 2012
From: johnmb at nc.rr.com (john)
Date: Thu, 13 Sep 2012 08:18:51 -0400
Subject: [BoatAnchors] Equipment query?
In-Reply-To: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>
References: <BLU0-SMTP182AD596ABD46430A5752EC9920@phx.gbl>
Message-ID: <6.2.1.2.2.20120913081819.04df8d60@pop-server.nc.rr.com>

Looks to be a homebrew linear and transmitter. Fantastic station. Wonder where it is today?
John K5M0

At 11:15 AM 9/12/2012, Ed Sieb wrote:
>[http://memberfiles.freewebs.com/09/84/73468409/photos/](http://memberfiles.freewebs.com/09/84/73468409/photos/W7DET_Amateur_radio_equipmen)
>W7DET_Amateur_radio_equipmen
>t,_1957%20(2).jpg

From 4cx250b at muohio.edu Thu Sep 13 08:28:24 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Thu, 13 Sep 2012 06:28:24 -0600
Subject: [BoatAnchors] Black Hole closing
Message-ID: <001001cd91ab\$458d84b0\$d0a88e10\$@muohio.edu>

As many of you know, the Black Hole in Los Alamos, NM, is one of the nation's largest surplus emporiums, possibly second only to Fair Radio Sales. It was founded by Ed Grothus sixty years ago, and has been for many decades the major surplus outlet for Los Alamos National Labs. Ed passed away in 2009, and his daughter, Barbara, now has decided to liquidate their inventory and close the business. She is holding a three-day liquidation sale on September 21-23.

Ed was an extremely colorful and eccentric individual, and an outspoken anti-nuclear activist -- a political stance that did not always endear him to the Los Alamos public! It has always seemed ironic to me that he made his living by selling off inventory from the world's largest nuclear weapons research and development facility. Many of his "treasures" date from the Manhattan Project. You can read about this fascinating place at <http://www.santafenewmexican.com/Local%20News/090612blackhole>

73,

Jim W8ZR

From gumbear at pacbell.net Thu Sep 13 09:32:46 2012
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 13 Sep 2012 06:32:46 -0700
Subject: [BoatAnchors] Black Hole closing
References: <001001cd91ab\$458d84b0\$d0a88e10\$@muohio.edu>
Message-ID: <001b01cd91b4\$4699fc90\$650aa8c0@KB6NAX>

> As many of you know, the Black Hole in Los Alamos, NM, is one of the nation's largest surplus emporiums, possibly second only to Fair Radio Sales. It was founded by Ed Grothus sixty years ago, and has been for many decades the major surplus outlet for Los Alamos National Labs.....

I never heard of the Black Hole before but it seems Grothus was a man of conscience and knew where all the war technology would lead to --- nowhere. How many ultrasonic fighter jets, cruise missiles, and attack drones does it take to stop a twenty man attack team from destroying an embassy and killing its occupants?

Arden Allen
KB6NAX

Stupidity is far more dangerous than evil,
for evil takes a break from time to time,
stupidity does not. - Anatole France

From bill at iaxs.net Thu Sep 13 12:04:42 2012
From: bill at iaxs.net (Bill Hawkins)
Date: Thu, 13 Sep 2012 11:04:42 -0500
Subject: [BoatAnchors] Black Hole closing
In-Reply-To: <001001cd91ab\$458d84b0\$d0a88e10\$@muohio.edu>

References: <001001cd91ab\$458d84b0\$d0a88e10\$@muohio.edu>

Message-ID: <50AB2F8DF2A14AA18362CE3D2DF23BE4@cyrus>

Visited the Black Hole in April, 2010. Lots of vintage test equipment and accessories and parts. The best stuff had already been taken after Ed died. Wouldn't compare the contents to Fair Radio, though.

There was a large room full of manuals and documents that the manager didn't know how to sell. A lot of history will go to the landfill, but they'll be burying those who remember those days pretty soon anyway.

Bill Hawkins

-----Original Message-----

From: Jim Garland

Sent: Thursday, September 13, 2012 7:28 AM

As many of you know, the Black Hole in Los Alamos, NM, is one of the nation's largest surplus emporiums, possibly second only to Fair Radio Sales. It was founded by Ed Grothus sixty years ago, and has been for many decades the major surplus outlet for Los Alamos National Labs.

From johnmb at nc.rr.com Thu Sep 13 15:23:48 2012

From: johnmb at nc.rr.com (john)

Date: Thu, 13 Sep 2012 15:23:48 -0400

Subject: [BoatAnchors] Black Hole closing

In-Reply-To: <001b01cd91b4\$4699fc90\$650aa8c0@KB6NAX>

References: <001001cd91ab\$458d84b0\$d0a88e10\$@muohio.edu>

<001b01cd91b4\$4699fc90\$650aa8c0@KB6NAX>

Message-ID: <6.2.1.2.2.20120913152035.04be61c0@pop-server.nc.rr.com>

> >

>How many ultrasonic fighter jets, cruise missiles, and attack drones does it
>take to stop a twenty man attack team from destroying an embassy and killing
>its occupants?

Just one.... and one sensible set of rules of engagement.

John - K5MO

PS: I lived in Albuquerque for 25 yrs and never hrd of the Black Hole. I did frequent (frequently) it's twin (Electronic Salvage) on Central Avenue until I moved.

From ae4r at cox.net Thu Sep 13 17:00:26 2012
From: ae4r at cox.net (Mike Steussy)
Date: Thu, 13 Sep 2012 17:00:26 -0400
Subject: [BoatAnchors] Equipment query?
Message-ID: <5052496A.1020604@cox.net>

Dave wrote: Wish I knew more about W7DET but you can bet he was a master builder to be in the W6SAI handbook. ... 73 Dave K4JRB

Dave & all... Here's a link to an obituary for him, dated 2003. 73, Mike AE4R

http://obitz.us/obits/Index%20V/notesobit_v_1550.txt

From wwatson5 at sbcglobal.net Thu Sep 13 19:28:12 2012
From: wwatson5 at sbcglobal.net (William Watson)
Date: Thu, 13 Sep 2012 16:28:12 -0700 (PDT)
Subject: [BoatAnchors] Short Wave Craft Magazines Wanted
Message-ID: <1347578892.64525.YahooMailNeo@web181405.mail.ne1.yahoo.com>

I am looking for any of the following Short Wave Craft magazines:

?

1930?all issues

1931 all issues except April

1932 Jan, May, June, July, Sept, Oct

1933 Feb, Mar, April, June, July, Sept, Oct, Nov, Dec

1934 Jan, Mar, Aug, Sept, Oct, Dec

1935 Mar, Apr, May, June, Aug, Sept, Oct

1936 Jan, Feb, May, Sept, Oct, Nov

1937?all issues?except May

?

If you have any of these you would part with, let me know the price shipped to

?

Joe Watson

1333 Smiling Hill Blvd

Edmond, OK? 73013

?

Thanks.

?

Joe

W5WBR

From n7rk at cox.net Thu Sep 13 21:35:28 2012
From: n7rk at cox.net (David Hollander)
Date: Thu, 13 Sep 2012 18:35:28 -0700
Subject: [BoatAnchors] [Milsurplus] (no subject)
In-Reply-To: <BAY152-W5690054E76518510D8C1D8A9900@phx.gbl>
References: <BAY152-W5690054E76518510D8C1D8A9900@phx.gbl>
Message-ID: <505289E0.10605@cox.net>

I seem to remember it was a dual gate MOSFET made by RCA used in receiver front-ends and in a lot of handbook and QST receiver projects.

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From bluegrassdakine at hotmail.com Thu Sep 13 22:04:08 2012
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Thu, 13 Sep 2012 21:04:08 -0500
Subject: [BoatAnchors] [Milsurplus] (no subject)
In-Reply-To: <2671.12.6.201.204.1347586480.squirrel@popaccts.quikus.com>
References: <BAY152-W5690054E76518510D8C1D8A9900@phx.gbl>
<2671.12.6.201.204.1347586480.squirrel@popaccts.quikus.com>
Message-ID: <BAY401-EAS254CF834D35E760A9086EA9900@phx.gbl>

Thanks all. You have all covered the topic very well.

On Sep 13, 2012, at 20:35, "J. Forster" <jfor at quikus.com> wrote:

> It's an RCA Dual Gate MOS FET. I don't know what it was used in.

>

> -John

>

> =====

>

>

>>

>> Does anyone here know the use that the FET 40673 was so popularly used
>> for? In what capacity was it used? A preamp maybe?

>> I have found a few and searching Mouser and Digikey did not yield any
>> source. They say they were discontinued long ago.

>>
>> Anyone?
>> Anyone need one?
>>
>>
>>
>> -----
>> Milsurplus mailing list
>> Home: <http://mailman.qth.net/mailman/listinfo/milsurplus>
>> Help: <http://mailman.qth.net/mmfaq.htm>
>> Post: [mailto:Milsurplus at mailman.qth.net](mailto:Milsurplus@mailman.qth.net)
>>
>> This list hosted by: <http://www.qsl.net>
>> Please help support this email list: <http://www.qsl.net/donate.html>
>>
>>
>
>

From esieb at sympatico.ca Fri Sep 14 00:32:16 2012
From: esieb at sympatico.ca (Ed Sieb)
Date: Fri, 14 Sep 2012 00:32:16 -0400
Subject: [BoatAnchors] 40673 and equivalents
Message-ID: <BLU0-SMTP34D6958CB595CE3EF0DF00C9900@phx.gbl>

Identical to the 3SK40 series, 3N201, etc. Used as a front-end amp in many HF and VHF radios.

-----Original Message-----

From: BoatAnchors [[mailto:boatanchors-bounces at theporch.com](mailto:boatanchors-bounces@theporch.com)] On Behalf Of David Hollander
Sent: Thursday, September 13, 2012 9:35 PM
To: Raymond Cote
Cc: Boatanchors at mailman.qth.net; boatanchors at theporch.com; milsurplus; Hallicrafters
Subject: Re: [BoatAnchors] [Milsurplus] (no subject)

I seem to remember it was a dual gate MOSFET made by RCA used in receiver front-ends and in a lot of handbook and QST receiver projects.

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From 4cx250b at muohio.edu Fri Sep 14 08:16:07 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Fri, 14 Sep 2012 06:16:07 -0600
Subject: [BoatAnchors] 40673 and equivalents
In-Reply-To: <BLU0-SMTP34D6958CB595CE3EF0DF00C9900@phx.gbl>
References: <BLU0-SMTP34D6958CB595CE3EF0DF00C9900@phx.gbl>
Message-ID: <001701cd9272\$b8c8b220\$2a5a1660\$@muohio.edu>

I used the 40673 in several homebrew projects. What distinguished it from other dual-gate MOSFETs of the era was that it has integral back-to-back protection diodes to protect the gate from electrostatic burnout, which was a big problem with MOSFETs in those days. Today, the gate insulator in MOSFETs is more robust and these are not needed. I always thought the 40673 was a very fine transistor.

73,
Jim W8ZR

> Identical to the 3SK40 series, 3N201, etc. Used as a front-end amp in
> many HF
> and VHF radios.
>
>
> I seem to remember it was a dual gate MOSFET made by RCA used in receiver
> front-ends and in a lot of handbook and QST receiver projects.
>
> Dave N7RK
>

From infomet at embarqmail.com Fri Sep 14 14:06:50 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Fri, 14 Sep 2012 14:06:50 -0400 (EDT)
Subject: [BoatAnchors] 40673 transistors
In-Reply-To: <mailman.73.1347638551.10393.hallicrafters@mailman.qth.net>
Message-ID:
<1038943636.1574218.1347646010906.JavaMail.root@md17.embarq.synacor.com>

40673 was a favorite of ARRL designers 30-40 yr ago. Look at old handbooks or QST archives.

My favorite use was as mixers. They are in the front end of Radio Shack DX series receivers, at least some of them.

They are now about \$15, when one can find them. I'd pay \$5 each for a couple, just on general principles!

Wilson

W4BOH

From bob at nofrowns.net Fri Sep 14 16:36:02 2012

From: bob at nofrowns.net (Bob Jackson)

Date: Fri, 14 Sep 2012 15:36:02 -0500

Subject: [BoatAnchors] Those little brass clips

Message-ID: <CBEFCEF964934D93A8875CC5F050F273@c1408123a>

Does anyone have a source for those small brass clips used to secure small IF cans to a chassis? They're sort of u-shaped, are inserted from the underside of the chassis and "click" into place, and have a hole on the center for alignment tool access. Apparently, they're a "single use item" that, once installed, get "sprung" if removed or disturbed - which is what I've managed to do.

I've tried to re-shape them into their original condition but without success. Are any new or NOS ones available anywhere?

Thanks and 73 to all,

Bob AG5X

From ae4r at cox.net Fri Sep 14 17:38:45 2012

From: ae4r at cox.net (Mike Steussy)

Date: Fri, 14 Sep 2012 17:38:45 -0400

Subject: [BoatAnchors] Need SP-600 part

In-Reply-To: <5052946D.6060107@cox.net>

References:

<1527240149.68422.1347577891889.JavaMail.root@sz0213a.westchester.pa.mail.comcast.net>

<5052946D.6060107@cox.net>

Message-ID: <5053A3E5.7070303@cox.net>

/Ahoy! A friend is repairing an SP-600JX? for a disabled ham (WB4CCM) in the Fairfax VA area and needs T-1, the mixer coil assembly that mounts on the side of the RF box above the chassis on the tube side. It's a reasonable business deal and the disabled guy is willing to pay for the part.

I'm not directly involved, but I'd like to help these friends and don't wish to see a fully re-capped Super Pro be junked or abandoned for lack of a single part. Would anyone on the list have this item he'd be willing to sell and send?

TNX es 73, Mike AE4R/

From ae4r at cox.net Sat Sep 15 17:50:44 2012

From: ae4r at cox.net (Mike Steussy)

Date: Sat, 15 Sep 2012 17:50:44 -0400

Subject: [BoatAnchors] 40673 transistors

In-Reply-To:

<1038943636.1574218.1347646010906.JavaMail.root@md17.embarq.synacor.com>

References:

<1038943636.1574218.1347646010906.JavaMail.root@md17.embarq.synacor.com>

Message-ID: <5054F834.9080303@cox.net>

On 9/14/12 2:06 PM, Wilson Lamb wrote:

> 40673 was a favorite of ARRL designers 30-40 yr ago. Look at old handbooks or QST archives.

> My favorite use was as mixers. They are in the front end of Radio Shack DX series receivers, at least some of them.

> They are now about \$15, when one can find them. I'd pay \$5 each for a couple, just on general principles!

> Wilson

> W4BOH

>

>

Wilson, I have a long unfinished project to convert a BC-453 to use MOSFETs. The author of the unpublished article I followed used 40822s as a substitute for 40673s. Dan's Small Parts

[<http://www.danssmallpartsandkits.net/>] has them for \$5 each and his

listing includes this encouraging note: "GOOD REPLACEMENT FOR

RCA-40673." GL es 73 // Mike AE4R

From wb3fau55 at neo.rr.com Sat Sep 15 19:45:41 2012

From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)

Date: Sat, 15 Sep 2012 19:45:41 -0400

Subject: [BoatAnchors] R-390A

Message-ID: <20120915234541.VJACR.178589.root@cdptpa-web09-z01>

Among my receivers is a Teledyne R390A which has a 0-999 turns counter installed on the BFO

pitch control. Tagging on rear of the receiver says it has gone thru several mods performed

by US Army Security Agency done in 1965. Do I have something special?

From bluegrassdakine at hotmail.com Sat Sep 15 20:13:32 2012
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Sat, 15 Sep 2012 14:13:32 -1000
Subject: [BoatAnchors] R-390A
In-Reply-To: <20120915234541.VJACR.178589.root@cdptpa-web09-z01>
References: <20120915234541.VJACR.178589.root@cdptpa-web09-z01>
Message-ID: <BAY152-W234BB40F228433D3A113D8A9960@phx.gbl>

Probably you do...It is so much easier to switch from freq to freq if you know where to Exactly to set the bfo when you switch. Others on here will tell you more. I have 2 of them from Viet Nam CIA or other spooks used them and there are marks scratched on where they needed to be set.

Ray

> Date: Sat, 15 Sep 2012 19:45:41 -0400
> From: wb3fau55 at neo.rr.com
> To: boatanchors at theporch.com
> Subject: [BoatAnchors] R-390A
>
> Among my receivers is a Teledyne R390A which has a 0-999 turns counter installed on the BFO
> pitch control. Tagging on rear of the receiver says it has gone thru several mods performed
> by US Army Security Agency done in 1965. Do I have something special?
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From bluegrassdakine at hotmail.com Sun Sep 16 11:57:38 2012
From: bluegrassdakine at hotmail.com (Raymond Cote)
Date: Sun, 16 Sep 2012 10:57:38 -0500
Subject: [BoatAnchors] 40673
In-Reply-To: <BAY401-EAS254CF834D35E760A9086EA9900@phx.gbl>
References: <BAY152-W5690054E76518510D8C1D8A9900@phx.gbl>
<2671.12.6.201.204.1347586480.squirrel@popaccts.quikus.com>
<BAY401-EAS254CF834D35E760A9086EA9900@phx.gbl>
Message-ID: <BAY402-EAS1832A2CA365E20B3EBC7C2FA9960@phx.gbl>

The 40673 FET's have all been spoken for.

On Sep 13, 2012, at 21:05, "Raymond Cote" <bluegrassdakine at hotmail.com> wrote:

> Thanks all. You have all covered the topic very well.
>
> On Sep 13, 2012, at 20:35, "J. Forster" <jfor at quikus.com> wrote:
>
>> It's an RCA Dual Gate MOS FET. I don't know what it was used in.
>>
>> -John
>>
>> =====
>>
>>
>>> Does anyone here know the use that the FET 40673 was so popularly used
>>> for? In what capacity was it used? A preamp maybe?
>>> I have found a few and searching Mouser and Digikey did not yield any
>>> source. They say they were discontinued long ago.
>>>
>>> Anyone?
>>> Anyone need one?
>>>
>>>
>>> -----
>>> Milsurplus mailing list
>>> Home: <http://mailman.qth.net/mailman/listinfo/milsurplus>
>>> Help: <http://mailman.qth.net/mmfaq.htm>
>>> Post: <mailto:Milsurplus at mailman.qth.net>
>>>
>>> This list hosted by: <http://www.qsl.net>
>>> Please help support this email list: <http://www.qsl.net/donate.html>
>>>
>>>
>>
>>
> -----
> Boatanchors mailing list
> Home: <http://mailman.qth.net/mailman/listinfo/boatanchors>
> Help: <http://mailman.qth.net/mmfaq.htm>
> Post: <mailto:Boatanchors at mailman.qth.net>
>
> List Administrator: Duane Fischer, W8DBF
> ** For Assistance: dfischer at usol.com **
>
>
> This list hosted by: <http://www.qsl.net>
> Please help support this email list: <http://www.qsl.net/donate.html>

From franklin6209 at att.net Sun Sep 16 22:55:50 2012
From: franklin6209 at att.net (Gary Franklin)
Date: Sun, 16 Sep 2012 22:55:50 -0400
Subject: [BoatAnchors] Lettine Transmitter
Message-ID: <50569136.8060806@att.net>

I have a Lettine 242 (6) meter version and a 242 (2) meter version.
They appear to be pretty similar. What I need is a schematic for either
one. I am working on the modulator of the (2) meter version. Does
anyone by chance have one or know where one can be obtained??

Thanks,

Gary

From wwatson5 at sbcglobal.net Tue Sep 18 19:52:45 2012
From: wwatson5 at sbcglobal.net (William Watson)
Date: Tue, 18 Sep 2012 16:52:45 -0700 (PDT)
Subject: [BoatAnchors] SX-101 Tuning Knob
Message-ID: <1348012365.36224.YahooMailNeo@web181403.mail.ne1.yahoo.com>

I noticed an old thread stating that someone is advertising in Electric Radio
availability of a reproduction SX-101 main tuning knob.

This was about 5 years ago.?I have been unable to locate this ad.

?

I am needing an SX-101 main tuning knob.? Anybody have any current information re
one or, even better, an original?

?

Thanks.

?

Joe

W5WBR

From spr at earthlink.net Tue Sep 18 20:02:30 2012
From: spr at earthlink.net (spr at earthlink.net)
Date: Tue, 18 Sep 2012 17:02:30 -0700 (GMT-07:00)
Subject: [BoatAnchors] SX-101 Tuning Knob
Message-ID: <18359664.1348012950691.JavaMail.root@elwamui-huard.atl.sa.earthlink.net>

HI,

If the source was Old Time Replications in Los Angeles, Larry Bordonaro was ill
when last I knew and was not making anything except the Philco dial bezels, which
are made offsite. This may have changed.

See

<<http://www.antiqueradioknobs.com/index.html>>

He makes *very* good quality knobs.

Regards,

Scott

-----Original Message-----

>From: William Watson <wwatson5@sbcglobal.net>

>Sent: Sep 18, 2012 4:52 PM

>To: "boatanchors at theporch.com" <boatanchors@theporch.com>

>Subject: [BoatAnchors] SX-101 Tuning Knob

>

>I noticed an old thread stating that someone is advertising in Electric Radio availability of a reproduction SX-101 main tuning knob.

>This was about 5 years ago.?I have been unable to locate this ad.

>?

>I am needing an SX-101 main tuning knob.? Anybody have any current information re one or, even better, an original?

>?

>Thanks.

>?

>Joe

>W5WBR

>

>-----
>BoatAnchors mailing list

>BoatAnchors at theporch.com

><https://minime.theporch.com/mailman/listinfo/boatanchors>

From gsantacana@gmail.com Mon Sep 24 23:16:25 2012

From: gsantacana@gmail.com (Guido Santacana)

Date: Mon, 24 Sep 2012 23:16:25 -0400

Subject: [BoatAnchors] Drake SSR-1

Message-ID: <CA01yix0Lragr2LFCgHPCH3hjPYL03JkJMnR2Ywc_KhuRcNACCA@mail.gmail.com>

Gents,

I know that this rig does not necessarily fits into our BA forum. Well... maybe with the batteries. Anyway, my SSR-1 had some noise coming from the tuning cap. You know, the scratchy noises that indicates something may be between the plates doing intermittent contact. I decided to blow a bit of compressed air through the plates. I took the cabinet out, turned on the

radio to see where in the plates the problem was as I rotated it. More or less found the place and here is where I goofed. I forgot to turn the thing off, proceeded to blow, saw a small spark between the plates of the middle section of the variable VFO cap (VC4 in the manual) and lost signals. For those familiar with this Wadley Loop receiver this section has several PNP 2SC710 transistors. Nearest to the disaster area are Q8 and Q13. Now here is a problem. Q13 is also described as a 2SC710 but it is a metal transistor with 4 leads instead of 3 like all the others. It looks more like an FET. It is labelled 4K9(B)4 and I cannot find any NTE equivalent for something like this. If any one in the list owns one of these, is familiar with its inner workings and can help me out, I will be very grateful. ID of that metal case transistor will help. It is one of my main suspects. Maybe it is a version of the 2SC710 with a grounded case?

Best 73s

Guido Santacana KP4FAR

From rbaldwin14 at nc.rr.com Tue Sep 25 17:27:04 2012
From: rbaldwin14 at nc.rr.com (Richard Baldwin)
Date: Tue, 25 Sep 2012 17:27:04 -0400
Subject: [BoatAnchors] NIB Military R-390A Cabinets
Message-ID: <025901cd9b64\$825f9730\$871ec590\$@rr.com>

This is a request for info to those of you who might want a few NIB R-390A Military contract cabinets. I always forget the number, but these are the real deal with the shock mounts and skid plates and they are indeed brand new. Let me know ASAP if you want one or more. There will be a deposit required and I know the guy has to pay over \$400 for each of them.

Rich Baldwin

From hbreuer at debitel.net Wed Sep 26 12:48:37 2012
From: hbreuer at debitel.net (Heinz Breuer)
Date: Wed, 26 Sep 2012 18:48:37 +0200
Subject: [BoatAnchors] SX-101 Tuning Knob
In-Reply-To: <18359664.1348012950691.JavaMail.root@elwamui-huard.atl.sa.earthlink.net>
References: <18359664.1348012950691.JavaMail.root@elwamui-huard.atl.sa.earthlink.net>
Message-ID: <506331E5.9050406@debitel.net>

I got a new tuning SX-101 knob back then and it must be somewhere still in its padded envelope, because the SX-101 is still in storage. Let me check if I find it.

vy 73 Heinz DH2FA, KM5VT

Am 19.09.2012 02:02, schrieb spr at earthlink.net:

> HI,

>

> If the source was Old Time Replications in Los Angeles, Larry Bordonaro was ill when last I knew and was not making anything except the Philco dial bezels, which are made offsite. This may have changed.

>

> See

>

> <<http://www.antiqueradioknobs.com/index.html>>

>

> He makes *very* good quality knobs.

>

> Regards,

>

> Scott

>

>

> -----Original Message-----

>> From: William Watson <[wwatson5 at sbcglobal.net](mailto:wwatson5@sbcglobal.net)>

>> Sent: Sep 18, 2012 4:52 PM

>> To: "boatanchors at theporch.com" <[boatanchors at theporch.com](mailto:boatanchors@theporch.com)>

>> Subject: [BoatAnchors] SX-101 Tuning Knob

>>

>> I noticed an old thread stating that someone is advertising in Electric Radio availability of a reproduction SX-101 main tuning knob.

>> This was about 5 years ago. I have been unable to locate this ad.

>>

>> I am needing an SX-101 main tuning knob. Anybody have any current information re one or, even better, an original?

>>

>> Thanks.

>>

>> Joe

>> W5WBR

>>

>> -----
>> BoatAnchors mailing list

>> BoatAnchors at theporch.com

>> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From franklin6209 at att.net Sat Sep 22 11:52:09 2012
From: franklin6209 at att.net (Gary Franklin)
Date: Sat, 22 Sep 2012 11:52:09 -0400
Subject: [BoatAnchors] Johnson Viking Front Panels
Message-ID: <505DDEA9.8090909@att.net>

Can anyone tell me if refinished front panels for Johnson Viking transmitters are being provided by anyone since Dee's passing?

Thanks,
Gary, K8BKB

From franklin6209 at att.net Sat Sep 22 15:08:05 2012
From: franklin6209 at att.net (Gary Franklin)
Date: Sat, 22 Sep 2012 15:08:05 -0400
Subject: [BoatAnchors] Johnson Viking 500
Message-ID: <505E0C95.2060800@att.net>

I am looking for a really nice Johnson 500. Must be complete with modulator/power supply and cable/cables. I can drive for pickup within a 500 mile radius of Kalamazoo, Michigan. Let me know what you have. Please attach pictures.

Thanks
Gary, K8BKB

From franklin6209 at att.net Fri Sep 28 10:25:39 2012
From: franklin6209 at att.net (Gary Franklin)
Date: Fri, 28 Sep 2012 10:25:39 -0400
Subject: [BoatAnchors] Lettine 242
Message-ID: <5065B363.3030304@att.net>

I have a Lettine 242 (6) meter version and a 242 (2) meter version. They appear to be pretty similar. What I need is a schematic for either one. I am working on the modulator of the (2) meter version. Does anyone by chance have one or know where one can be obtained??

Thanks,

Gary

From wb3fau55 at neo.rr.com Fri Sep 28 19:13:27 2012
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Fri, 28 Sep 2012 23:13:27 +0000
Subject: [BoatAnchors] Drake SSR-1
In-Reply-To: <CA01yix0Lragr2LFCgHPCH3hjPYL03JkJMnR2Ywc_KhuRcNACCA@mail.gmail.com>
Message-ID: <20120928231327.EX007.341018.root@cdptpa-web05-z02>

Guido, look up Jeff Covelli, WA8SAJ, in Cleveland, OH. He is a expert on Drake stuff....

----- Guido Santacana <gsantacana at gmail.com> wrote:

> Gents,
>
> I know that this rig does not necessarily fits into our BA forum. Well...
> maybe with the batteries. Anyway, my SSR-1 had some noise coming from the
> tuning cap. You know, the scratchy noises that indicates something may be
> between the plates doing intermittent contact. I decided to blow a bit of
> compressed air through the plates. I took the cabinet out, turned on the
> radio to see where in the plates the problem was as I rotated it. More or
> less found the place and here is where I goofed. I forgot to turn the thing
> off, proceeded to blow, saw a small spark between the plates of the middle
> section of the variable VFO cap (VC4 in the manual) and lost signals. For
> those familiar with this Wadley Loop receiver this section has several PNP
> 2SC710 transistors. Nearest to the disaster area are Q8 and Q13. Now here
> is a problem. Q13 is also described as a 2SC710 but it is a metal
> transistor with 4 leads instead of 3 like all the others. It looks more
> like an FET. It is labelled 4K9(B)4 and I cannot find any NTE equivalent
> for something like this. If any one in the list owns one of these, is
> familiar with its inner workings and can help me out, I will be very
> grateful. ID of that metal case transistor will help. It is one of my main
> suspects. Maybe it is a version of the 2SC710 with a grounded case?
>
> Best 73s
>
> Guido Santacana KP4FAR
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From rbsingl at ilstu.edu Fri Sep 28 19:42:22 2012
From: rbsingl at ilstu.edu (Singley, Rodger)
Date: Fri, 28 Sep 2012 23:42:22 +0000
Subject: [BoatAnchors] Drake SSR-1
In-Reply-To: <20120928231327.EX007.341018.root@cdptpa-web05-z02>
References: <CA01yix0Lragr2LFCgHPCH3hjPYL03JkJMnR2Ywc_KhuRcNACCA@mail.gmail.com>
<20120928231327.EX007.341018.root@cdptpa-web05-z02>

Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD318DF0A5E@ISUEMBX02.ad.ilstu.edu>

Guido,

The SSR-1 was built in Japan for Drake and the Standard C-6500 is virtually the same radio, I have one of each. Take a look on Mods DK for the C6500 manual, the manual is in German but the schematic and block diagram are in English and it shows a 4 pin device on the schematic for Q13 and the block diagram shows the active device used. I didn't do an in depth analysis but the circuit appears to be the same even though the schematic is placed differently on the page. Follow section VC-5 and you will see it is used in the same Q13 stage for both.

Rodger WQ9E

Dr. Rodger B. Singley
Professor of Marketing

---- Guido Santacana <gsantacana at gmail.com> wrote:

> Gents,

>

> I know that this rig does not necessarily fits into our BA forum. Well...
> maybe with the batteries. Anyway, my SSR-1 had some noise coming from
> the tuning cap. You know, the scratchy noises that indicates something
> may be between the plates doing intermittent contact. I decided to
> blow a bit of compressed air through the plates. I took the cabinet
> out, turned on the radio to see where in the plates the problem was as
> I rotated it. More or less found the place and here is where I goofed.
> I forgot to turn the thing off, proceeded to blow, saw a small spark
> between the plates of the middle section of the variable VFO cap (VC4
> in the manual) and lost signals. For those familiar with this Wadley
> Loop receiver this section has several PNP
> 2SC710 transistors. Nearest to the disaster area are Q8 and Q13. Now
> here is a problem. Q13 is also described as a 2SC710 but it is a metal
> transistor with 4 leads instead of 3 like all the others. It looks
> more like an FET. It is labelled 4K9(B)4 and I cannot find any NTE
> equivalent for something like this. If any one in the list owns one of
> these, is familiar with its inner workings and can help me out, I will
> be very grateful. ID of that metal case transistor will help. It is
> one of my main suspects. Maybe it is a version of the 2SC710 with a grounded
case?

>

> Best 73s

>

> Guido Santacana KP4FAR

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From jerry7proc at yahoo.com Sat Sep 29 22:56:00 2012
From: jerry7proc at yahoo.com (Jerry Proc)
Date: Sat, 29 Sep 2012 19:56:00 -0700 (PDT)
Subject: [BoatAnchors] RCA CR91A Receiver
Message-ID: <1348973760.52135.YahooMailNeo@web121104.mail.ne1.yahoo.com>

?
Hello Group,
?
We need a good laugh here.
?
If anyone needs an RCA CR91A receiver , there is one up for auction on e-bay.
<http://www.ebay.com/itm/120990388680>

However, all of you will probably find the price to be a major stumbling block.

- * The current price is \$45,000.
- * The buy it now price is \$68,000.

--
Regards,
Jerry Proc
E-mail: jerry7proc at yahoo.com

From WA5CAB at cs.com Sat Sep 29 23:06:28 2012
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Sat, 29 Sep 2012 23:06:28 -0400 (EDT)
Subject: [BoatAnchors] RCA CR91A Receiver
Message-ID: <d25.751d6510.3d991134@cs.com>

Maybe he thinks the comma is a decimal point. I notice that he has never sold anything. Wonder what the listing fee is on \$45K.

In a message dated 09/29/2012 21:56:27 PM Central Daylight Time,
jerry7proc at yahoo.com writes:
> Hello Group,
>
> We need a good laugh here.
>
> If anyone needs an RCA CR91A receiver , there is one up for auction on

> e-bay.
> <http://www.ebay.com/itm/120990388680>
>
>
> However, all of you will probably find the price to be a major stumbling
> block.
>
> * The current price is \$45,000.
> * The buy it now price is \$68,000.
>
> --
> Regards,
> Jerry Proc
> E-mail: jerry7proc at yahoo.com

Robert Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

From n7rk at cox.net Sun Sep 30 00:07:56 2012
From: n7rk at cox.net (David Hollander)
Date: Sat, 29 Sep 2012 21:07:56 -0700
Subject: [BoatAnchors] RCA CR91A Receiver
In-Reply-To: <d25.751d6510.3d991134@cs.com>
References: <d25.751d6510.3d991134@cs.com>
Message-ID: <5067C59C.5080103@cox.net>

That auction was a good laugh for the day.

The listing fee is free on an auction and 50 cents for a fixed price buy
it now.

Now if his reserve was \$45,000, than the listing fee is \$50.

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://n7rk.com>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From w4rl at bellsouth.net Sun Sep 30 00:14:21 2012
From: w4rl at bellsouth.net (Robert Lawson)

Date: Sat, 29 Sep 2012 23:14:21 -0500
Subject: [BoatAnchors] RCA CR91A Receiver
In-Reply-To: <d25.751d6510.3d991134@cs.com>
References: <d25.751d6510.3d991134@cs.com>
Message-ID: <5067C71D.3030107@bellsouth.net>

Or that he's on to something healthy. After all he resides in Welland on Canadian territory.

Robert W4RL

On 9/29/2012 10:06 PM, WA5CAB at cs.com wrote:
> Maybe he thinks the comma is a decimal point. I notice that he has never
> sold anything. Wonder what the listing fee is on \$45K.
>
> In a message dated 09/29/2012 21:56:27 PM Central Daylight Time,
> jerry7proc at yahoo.com writes:
>> Hello Group,
>>
>> We need a good laugh here.
>>
>> If anyone needs an RCA CR91A receiver , there is one up for auction on
>> e-bay.
>> <http://www.ebay.com/itm/120990388680>
>>
>>
>> However, all of you will probably find the price to be a major stumbling
>> block.
>>
>> * The current price is \$45,000.
>> * The buy it now price is \$68,000.
>>
>> --
>> Regards,
>> Jerry Proc
>> E-mail: jerry7proc at yahoo.com
> Robert Downs - Houston
> wa5cab dot com (Web Store)
> MVPA 9480
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From WA5CAB at cs.com Sun Sep 30 01:21:36 2012
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Sun, 30 Sep 2012 01:21:36 -0400 (EDT)
Subject: [BoatAnchors] RCA CR91A Receiver
Message-ID: <24a9.495aea37.3d9930e0@cs.com>

OK. I had forgotten about their current hook, first 50 auction style listings per month are free in most categories. This is his only listing (ever, apparently).

In a message dated 09/29/2012 23:07:58 PM Central Daylight Time, n7rk at cox.net writes:

> That auction was a good laugh for the day.
>
> The listing fee is free on an auction and 50 cents for a fixed price buy
> it now.
>
> Now if his reserve was \$45,000, than the listing fee is \$50.
>
> Dave N7RK

Robert Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

From dxguy at earthlink.net Sun Sep 30 02:46:26 2012
From: dxguy at earthlink.net (don davis)
Date: Sat, 29 Sep 2012 23:46:26 -0700
Subject: [BoatAnchors] RCA CR91A Receiver
In-Reply-To: <24a9.495aea37.3d9930e0@cs.com>
References: <24a9.495aea37.3d9930e0@cs.com>
Message-ID: <003801cd9ed7\$506cd780\$f1468680\$@earthlink.net>

Nope. 334 feedback with 100%. 100% happy customers with lots of \$\$\$...

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of WA5CAB at cs.com
Sent: Saturday, September 29, 2012 10:22 PM
To: boatanchors at theporch.com
Subject: Re: [BoatAnchors] RCA CR91A Receiver

OK. I had forgotten about their current hook, first 50 auction style listings per month are free in most categories. This is his only listing (ever, apparently).

Robert Downs - Houston

wa5cab dot com (Web Store)
MVPA 9480

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From provero at ct.metrocast.net Sun Sep 30 05:53:53 2012
From: provero at ct.metrocast.net (P.J. Rovero)
Date: Sun, 30 Sep 2012 05:53:53 -0400
Subject: [BoatAnchors] RCA CR91A Receiver
Message-ID: <62017.1348998833@ct.metrocast.net>

On Sat 09/29/12 22:56 , Jerry Proc <jerry7proc at yahoo.com> wrote:

> However, all of you will probably find the price to be a major
> stumbling block.
> * The current price is \$45,000.
> * The buy it now price is \$68,000.

But it has free shipping; that's gotta count for something.... :-)

P.J. "Josh" Rovero Ham Radio: KK1D
Web: <http://www.roveroresearch.info>
Web2: <http://www.roveroresearch.org>

From 4cx250b at muohio.edu Sun Sep 30 10:10:47 2012
From: 4cx250b at muohio.edu (Jim Garland)
Date: Sun, 30 Sep 2012 08:10:47 -0600
Subject: [BoatAnchors] Homebrew AM Xmtr
Message-ID: <004201cd9f15\$6421aab0\$2c650010\$@muohio.edu>

Here's a very nice homebrew 25W AM transmitter I came across. It uses
plug-in coils and a 2E26 modulated by a pair of 6L6s. The builder (unknown)
did a really nice job.

See <http://tinyurl.com/95aolp7>

73,

Jim Garland W8ZR

From wb3fau55 at neo.rr.com Sun Sep 30 13:19:37 2012
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sun, 30 Sep 2012 13:19:37 -0400
Subject: [BoatAnchors] RCA CR91A Receiver
In-Reply-To: <1348973760.52135.YahooMailNeo@web121104.mail.ne1.yahoo.com>
Message-ID: <20120930171937.77PA0.375617.root@cdptpa-web08-z02>

HMM, 45K? not bad for a rust bucket.

----- Jerry Proc <jerry7proc at yahoo.com> wrote:

> ?
> Hello Group,
> ?
> We need a good laugh here.
> ?
> If anyone needs an RCA CR91A receiver , there is one up for auction on e-bay.
> <http://www.ebay.com/itm/120990388680>
>
>
> However, all of you will probably find the price to be a major stumbling block.
>
> * The current price is \$45,000.
> * The buy it now price is \$68,000.
>
> --
> Regards,
> Jerry Proc
> E-mail: jerry7proc at yahoo.com
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From infomet at embarqmail.com Sun Sep 30 14:16:11 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Sun, 30 Sep 2012 14:16:11 -0400 (EDT)
Subject: [BoatAnchors] RCA CR91A Receiver
In-Reply-To: <1348973760.52135.YahooMailNeo@web121104.mail.ne1.yahoo.com>
Message-ID:
<111414303.2029432.1349028971042.JavaMail.root@md17.embarq.synacor.com>

WOW, mine's an AR-88, in better shape.
Available for half price!
WL

----- Original Message -----

?
Hello Group,
?
We need a good laugh here.
?
If anyone needs an RCA CR91A receiver , there is one up for auction on e-bay.
<http://www.ebay.com/itm/120990388680>

However, all of you will probably find the price to be a major stumbling block.

* The current price is \$45,000.
* The buy it now price is \$68,000.

--
Regards,
Jerry Proc
E-mail: [jerry7proc at yahoo.com](mailto:jerry7proc@yahoo.com)

From infomet at embarqmail.com Sun Sep 30 14:18:08 2012
From: infomet at embarqmail.com (Wilson Lamb)
Date: Sun, 30 Sep 2012 14:18:08 -0400 (EDT)
Subject: [BoatAnchors] Homebrew AM Xmtr
In-Reply-To: <004201cd9f15\$6421aab0\$2c650010\$@muohio.edu>
Message-ID:
<453394024.2029458.1349029088264.JavaMail.root@md17.embarq.synacor.com>

Homebrew at its finest!
I had a mentor who built like that, W4DCW SK, but I'm too lazy.
As soon as anything would oscillate, I connected it to an antenna!
Then I built something else.
73,
WL

----- Original Message -----

Here's a very nice homebrew 25W AM transmitter I came across. It uses
plug-in coils and a 2E26 modulated by a pair of 6L6s. The builder (unknown)
did a really nice job.

See <http://tinyurl.com/95aolp7>

73,

Jim Garland W8ZR